

Search result

Query

Search done on	30.3.2009 (15:54h)
Search ID	10518151
Database	Metallic compounds
Composition (Dimension: %, Limit for optional components: 0)	MG:3.5-4.5*MN:0.8-1.5*SI:0-0.5*FE:0-0.5*AL:BALANCE
Sorted according to	Date of publication descending

Compositions

Hits

260

1	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE60315232 T2	20.12.2007
Priority	US27343202	17.10.2002
Application	DE1410200360315232	
Applicant	General Motors Corp.	
Inventor	Verma, Ravi	
Title	Verfahren zur Herstellung eines stranggegossenen Aluminiumbleches	
Info		
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-5,5 * MN : 0,4-1,6 * CR : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
2	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO2007034121 A1	29.03.2007
Priority	FR200509655	21.09.2005

Application	WO21092006FR200650920	
Applicant	Renault S.A.S.	
Inventor	Andrzejewski, Henri; Criqui, Bernard; Sallamand, Pierre und Miterf.	
Title	Assembling method and assembling an aluminum component and a magnesium component by depositing a molten metal compound having a melting point lower than 650 °C	
Info		
IPC	B23K001/00	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MG : 0-5 + MN : 0-2 + SI : 0-2 * AL : REST Component b [weight-%]: AL : 0-15 + ZN : 0-5 + MN : 0-3 * MG : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
3	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP1762639 A1	14.03.2007
Priority	JP2005265666	13.09.2005
Application	EP2408200606291353	
Applicant	Kabushiki Kaisha Kobe Seiko Sho	
Inventor	Urushihara, Wataru; Katoh, Jun; Yasunaga, Tatsuya	
Title	Heat transfer tube for LNG vaporizer, its production method, and LNG vaporizer using such heat transfer tubes	
Info		
IPC	C23C030/00	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 0,3-5 * ZN + MN : 0,3-3 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	THERMAL	THERMISCH
	USE	VERWENDUNG
4	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE102005033073 B3	19.10.2006

Priority	DE102005033073	15.07.2005
Application	DE15072005102005033073	
Applicant	GKN Sinter Metals GmbH	
Inventor	Li, Zi; Mählig, Enrico	
Title	Verfahren zur Zulegierung von Aluminium zu Bauteilen	
Info		
IPC	C22C001/04	
Composition nr.	1	Composite component a
Composition	Composite material [weight-%]: MATRIX : 60-99,2 * EINLAGERUNG : 0,8-40 Component a [weight-%]: MG : 0,2-30 + SI : 0,2-40 + CU : 0,2-15 + ZN : 0,2-15 + TI : 0,2-15 + SN : 0,2-10 + MN : 0,2-5 + NI : 0,2-10 + AS + SB + CO + BE + PB + B : 0-1 * AL : REST Component b [weight-%]: FE + MO + W + CR + Y + V + ZR : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	SPACE-FLIGHT	RAUMFAHRT
	USE	VERWENDUNG
	WIRE	DRAHT
5	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US20060198754 A1	07.09.2006
Priority	US7140305	03.03.2005
Application	US030320057140305	
Applicant	Boeing Co.	
Inventor	Bampton, Clifford; Berbon, Patrick; Keener, Steven	
Title	Method for preparing high-temperature nanophase aluminum-alloy sheets and aluminum-alloy sheets prepared thereby	
Info		
IPC	B22F003/24	
Composition nr.	1	Composite component -
Composition	[atomic-%]: AL : 89-99 * MG + LI + SI + TI + ZR : 1-11 * BE + CA + SR + BA + RA + SC + V + CR + MN + FE + CO + NI + CU + ZN + Y + NB + MO + TC + RU + RH + PD + AG + CD + W : 0-10	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG

	USE WELDABLE	VERWENDUNG SCHWEISSBAR
6	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP1698710 A1	06.09.2006
Priority	WOJP200316442	19.12.2003
Application	EP1912200303789618	
Applicant	Nippon Light Metal, Co., Ltd.	
Inventor	Zhao, Pizhi; Shinohara, Masaru	
Title	Aluminium alloy sheet excellent in resistance to softening by baking	
Info	Fe+Mn:0,31-3	
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-5 * FE : 0,06-1,5 * MN : 0,05-1,5 * SI : 0-0,19 * CU : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
7	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR2877877 A1	19.05.2006
Priority	EP04078138	16.11.2004
Application	FR15112002200511574	
Applicant	Corus Aluminium N.V.	
Inventor	Lahaye, Christiaan	
Title	Materiau composite de tole a base d'aluminium et son procede de production	
Info		
IPC	B23K020/04	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-5 * MN : 0,05-0,8 * VERUN : 0-0,149 * ZN : 0-0,59 * FE : 0-0,34 * SI : 0-0,24 * CR : 0-0,29 * ZR : 0-0,29 * CU : 0-0,19 * TI : 0-0,14 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	USE	VERWENDUNG
8	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)

Publication	US20050279185 A1	22.12.2005
Priority	US87193304	18.06.2004
Application	US1806200487193304	
Applicant	Iowa State University Research Foundation, Inc.	
Inventor	Cook, Bruce; Russell, Alan; Harringa, Joel und Miterf.	
Title	Ultra-hard boride-based metal matrix reinforcement	
Info		
IPC	C22C029/14	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 50-99,99999 * FASER : 0,00001-50 Component a [weight-%]: AL : 90-100 * CO : 0-7 * BI : 0-1 * PB : 0-1 * FE : 0-2 * MG : 0-6 * MN : 0-2 * SI : 0-14 * ZN : 0-8 Component b [%]: AL.MG.B : 100	
Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
9	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP1522750 A1	13.04.2005
Priority	EP03022653	06.10.2003
Application	EP0610200303022653	
Applicant	Taiho Kogyo Co., Ltd.; Miba Gleitlager GmbH	
Inventor	Kamiya, Soji; Kawagoe, Kimio; Lang, Hubert	
Title	Multi-layer sliding bearing	
Info		
IPC	F16C033/10	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: W.S + B.N + GRAPHIT + MO.S : 55-95 * ORGANISCH : REST Component b [weight-%]: BI + IN + PB + ZN + TI + V + NI + MN + SI + CR + MG + CU : 0,1-5 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	LAMINATE	LAMINAT
	PRODUCTION	HERSTELLUNG
	SLIDEABLE	GLEITFÄHIG
	TENSILE-STRENGTH	ZUGFEST

	USE	VERWENDUNG
10	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE10329552 A1	03.02.2005
Priority	DE10329552	30.06.2003
Application	DE3006200310329552	
Applicant	Meyer, Lothar; Collatz-Meyer, Anna Bianca	
Inventor	Krüger, Lutz; Trommer, Frank; Meyer, Lothar und Miterf.	
Title	Verfahren zur Herstellung von Durchdringungs-Verbundwerkstoffen	
Info	Es können bis zu 15 Vol.-% CU-Teile und bis zu 30 Vol.-% AL ₂ O ₃ +SIO ₂ zugegeben werden	
IPC	B22D019/14	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: EINLAGERUNG : 0,1-60 * MATRIX : 40-99,9 Component a [weight-%]: CU : 0-20 * MG : 0-15 * SI : 0-20 * ZN : 0-20 * FE : 0-5 * CR : 0-5 * MN : 0-5 * LI : 0-5 * TI : 0-4 * AL : 50-100 Component b [weight-%]: V : 0-24 * CR : 0-20 * FE : 0-10 * MO : 0-20 * AL : 0-30 * SN : 0-6 * ZR : 0-15 * SI : 0-1 * CU : 0-20 * NI : 0-20 * MN : 0-12 * NB : 0-30 * TA : 0-15 * W : 0-15 * TI : 50-100	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	METAL-POWDER	METALLPULVER
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
11	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE102004025557 A1	05.01.2005
Priority	JP2003159088	04.06.2003
Application	DE25052004102004025557	
Applicant	Daido Metal Co. Ltd.	
Inventor	Kagohara, Yukihiko; Hoshina, Takeshi; Ishikawa, Hideo und Miterfinder	
Title	Mehrschichtiges Gleitteil einer Aluminium basierten Legierung	
Info	Analyse 1, Anteil 1: Lagerlegierungsschicht / Analyse 2, Anteil 1: Oberschicht in der Zwischenschicht / Analyse 2, Anteil 2: Unterschicht in der Zwischenschicht	
IPC	C22C021/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: SN : 3-20 + CU + ZN + MG + SI : 0,1-7 + MN + V + MO + CR + CO + F + NI + W : 0,01-3 + B + TI + ZR : 0,01-2 + PB + BI + IN : 0-3 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER

	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	LAMINATE	LAMINAT
	PRODUCTION	HERSTELLUNG
	SLIDEABLE	GLEITFÄHIG
	TENSILE-STRENGTH	ZUGFEST
12	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE102004025557 A1	05.01.2005
Priority	JP2003159088	04.06.2003
Application	DE25052004102004025557	
Applicant	Daido Metal Co. Ltd.	
Inventor	Kagohara, Yukihiko; Hoshina, Takeshi; Ishikawa, Hideo und Miterfinder	
Title	Mehrschichtiges Gleitteil einer Aluminium basierten Legierung	
Info	Analyse 1, Anteil 1: Lagerlegierungsschicht / Analyse 2, Anteil 1: Oberschicht in der Zwischenschicht / Analyse 2, Anteil 2: Unterschicht in der Zwischenschicht	
IPC	C22C021/00	
Composition nr.	2	Composite component b
Composition	Component a [weight-%]: MN : 0-2 + CU : 0-2 + MG : 0-2 + FE : 0-2 * AL : REST Component b [weight-%]: SI : 1-8,5 + CU + ZN + MG : 0,01-7 + MN + V + MO + CR + CO + FE + NI + W : 0,01-3 + B + TI + ZR : 0,01-2 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	LAMINATE	LAMINAT
	PRODUCTION	HERSTELLUNG
	SLIDEABLE	GLEITFÄHIG
	TENSILE-STRENGTH	ZUGFEST
13	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE10332003 B3	16.12.2004
Priority	DE10332003	14.07.2003
Application	DE1407200310332003	
Applicant	EADS Deutschland GmbH	
Inventor	Palm, Frank	
Title	Geschweißte Aluminium-Strukturbau teil mit Aluminium-Guss-Werkstoffelementen	
Info		
IPC	B23K026/20	

Composition nr.	1	Composite component -
Composition [weight-%]: MG : 3-10 * MN + SI + SC + ZR + TI + Y + TB + HF + NB + TA + V + CE + ND + EU + GD + DY + HO + ER + CU + AG + FE : 0-2 * AL : REST * BE + TLB : 0-2,22		
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
14	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE10319630 A1	18.11.2004
Priority	DE10319630	02.05.2003
Application	DE0205200310319630	
Applicant	Bayerische Motoren Werke AG; CDP Aluminiumtechnik GmbH & Co.KG; FNE Forschungsinstitut für Nichteisen-Metalle Freiberg GmbH	
Inventor	Lehnert, Frank; Seethaler, Ludwig; Oehler Manfred und Miterf.	
Title	Verfahren zur Herstellung eines Bauteils aus einem Magnesiumkern mit einer Aluminiumummantelung	
Info	ST:AlMg5Si2Mn; Kern aus einer Mg-Legierung	
IPC	B22D015/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,5-1,5 * FE : 0-0,3 * CU : 0-0,05 * MN : 0,3-0,8 * MG : 4,1-6 * ZN : 0-0,03 * TI : 0-0,2 * NI : 0-0,03 * SN : 0-0,03 * PB : 0-0,03 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
15	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP1455368 A1	08.09.2004
Priority	JP2001354286	20.11.2001
Application	EP1411200202780088	
Applicant	Shin-Etsu Chemical Company, Ltd.	
Inventor	Hamada, Ryuji; Minowa, Takehisa	
Title	Corrosion− resistant rare earth element magnet	
Info	Fe+Co:50-90	
IPC	C22C038/00	
Composition nr.	1	Composite component a
	Composite material [%]: PLATTIERUNG * KERN	

Composition	Component a [weight-%]: AL + MG + CA + ZN + SI + MN : 100 Component b [weight-%]: Y + REM : 5-40 * FE : (0)-90 * CO : 0-90 * B : 0,2-8 * Ti + NB + AL + V + MN + SN + CA + MG + PB + ZN + SI + ZR + CR + NI + GA + MO + W + TA : 0-8	
	(english)	
Keywords	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	MAGNETIZABLE	MAGNETISIERBAR
	METAL-POWDER	METALLPULVER
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
16	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR2851579 A1	27.08.2004
Priority	FR200302335	26.02.2003
Application	FR26022003200302335	
Applicant	Pechiney Rhenalu Société par actions simplifiée	
Inventor	Litalien, Pierre; Legendre, Alain; Daniel, Dominique und Miterfinder	
Title	Procede d'emboutissage a tiede de pieces en alliage Al-Mg	
Info		
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-6 * MN : 0-1,19 * CU : 0-0,98 * ZN : 0-0,98 * SI : 0-2,98 * FE : 0-1,98 * CR : 0-0,29 * ZR : 0-0,29 * VERUN : 0-0,49 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	USE	VERWENDUNG
17	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR2844742 A1	26.03.2004
Priority	FR200211841	25.09.2002
Application	FR25092002200211841	
Applicant	Pechiney Rhenalu Société anonyme	
Inventor	Ehrstrom, Jean; Warner, Timothy	
Title	Feuilles composites stratifiees aluminium-fibres de verre	
Info		
IPC	C22C021/06	
Composition nr.	1	Composite component -

Composition	[weight-%]: MG : 4-6 * MN : 0-1 * SC : 0-0,3 * HF : 0-0,4 * ZR + CR + LA + REM + TI : 0-0,0333 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	LAMINATE	LAMINAT
	USE	VERWENDUNG
18	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP2004001010 AA	08.01.2004
Priority	JP2002157328	30.05.2002
Application	JP300520022002157328	
Applicant	Honda Motor Co. Ltd.	
Inventor	Toyoda, Yusuke; Mizukami, Takahiro; Fukuchi, Fumiaki und Miterf.	
Title	Thin-walled die castings having high toughness	
Info		
IPC	B22D017/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-4,5 * MN : 0,8-1,5 * SI : 0-0,49 * FE : 0-0,5 * TI : 0-0,1 + ZR : 0-0,3 * AL : REST	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	USE	VERWENDUNG
19	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP2003342665 AA	03.12.2003
Priority	JP2002066780	12.03.2002
Application	JP120320032003066228	
Applicant	Sumitomo Light Metal Ind Ltd.; Honda Motor Co., Ltd.	
Inventor	Matsuda, Shinichi; Asano, Mineo; Yokoyama, Yasu und Miterfinder	
Title	Aluminum-magnesium aluminum alloy plate for hot blow molding and hot-molded article	
Info		
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-6 * MN : 0,5-0,8 + CR : 0,05-0,2 * SI : 0-0,1 * FE : 0-0,12 * CU : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

PRODUCTION		HERSTELLUNG
20	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US6630039 B2	07.10.2003
Priority	US18414500	22.02.2000
Application	US1402200178454001	
Applicant	Alcoa Inc.	
Inventor	Lukasak, David; King, David	
Title	Extrusion method utilizing maximum exit temperature from the die	
Info	Al-Leg kann aus der Al-Association 2000, 5000 oder 7000-Serie sein	
IPC	C22F001/04	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0-10 * CU : 0-10 * ZN : 0-12 * BE : 0-5 * LI : 0-3 * MN : 0-2 * FE : 0-2 * SI : 0-15 * AL : REST * CR : 0-0,4 * NI : 0-0,4 * TI : 0-0,25 * V & ZR : 0-0,25 * B : 0-0,04 * CD : 0-0,5 * PB & BI : 0-0,7	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
21	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP1338664 A1	27.08.2003
Priority	JP2002027734	05.02.2002
Application	EP0502200303002523	
Applicant	The Furukawa Electric Co., Ltd.	
Inventor	Kashiwazaki, Kazuhisa; Shoji, Ryo; Tamura, Hisashi	
Title	Aluminum alloy pipe having multistage formability	
Info		
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-5 * SI : 0-0,2 * FE : 0-0,3 * MN : 0-0,8 * CR : 0-0,35 * TI : 0-0,2 * CU : 0-0,03 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

22	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO2003066926 A1	14.08.2003
Priority	US35515002	08.02.2002
Application	WO07022003US200303754	
Applicant	Nichols Aluminum	
Inventor	Lorentzen, Leland; Peters, David	
Title	Method of manufacturing Aluminum alloy sheet	
Info	AL-Legierung 5XXX	
IPC	C22F001/04	
Composition nr.	3	Composite component -
Composition	[weight-%]: SI : 0-1,5 * FE : 0-1 * CU : 0-0,5 * MN : 0-1,5 * MG : 0,1-6,5 * ZN : 0-3 * VERUN : 0-0,7 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
23	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE10163892 A1	17.07.2003
Priority	DE10163892	27.12.2001
Application	DE2712200110163892	
Applicant	BASF AG	
Inventor	Fernandez, Gonzalez; Jäger, Hans-Ulrich; Neumann, Peter und Miterf.	
Title	Derivate von Polymeren für die Metallbehandlung	
Info	Abscheidung von Metallen oder Metall-Legierungen auf Kunststoffoberflächen	
IPC	C23F015/00	
Composition nr.	1	Composite component a
Composition	Component a [%]: NA + K + MG + CA + ZN + SN + MN + ZR + CR + FE + CO + NI + CU + AL + CE + V : 100 Component b [%]: ORGANISCH : 100	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	SURFACE	OBERFLÄCHE
24	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)

Publication	WO2003052151 A1	26.06.2003
Priority	FR200116300	17.12.2001
Application	WO17122002FR200204364	
Applicant	Aluminium Pechiney; Norsk Hydro ASA; Audi AG	
Inventor	Cosse, Francois; Perrier, Jean-Jacques; Brusethaug, Stig und Miterfinder	
Title	Pressure-cast component made of highly ductile and resilient aluminium alloy	
Info		
IPC	C22C021/08	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-4,5 * SI : 0,2-1,3 * CU : 0-0,3 * ZN : 0-0,1 * FE : 0-0,3 * Tl : 0-0,3 * MN : 0,3-1 + CR : 0,1-0,4 + CO : 0,1-0,4 + V : 0,1-0,4 + MO : 0,1-0,4 * BE : 0-0,005 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
25	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US6547895 B2	15.04.2003
Priority	US76854101	25.01.2001
Application	US2501200176854101	
Applicant	General Motors Corporation	
Inventor	Bradley, John; Carsley, John; Lyjak, Jacob	
Title	Superplastic multi-layer forming	
Info	ST:5083	
IPC	C22F001/04	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 4-5 * MN : 0,3-1 * CR : 0-0,25 * CU : 0-0,1 * FE : 0-0,3 * SI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	PRESSED	GEPRESST
	SUPERPLASTIC	SUPERPLASTISCH
	USE	VERWENDUNG

26	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO2003027345 A1	03.04.2003
Priority	WOTR200100046	25.09.2001
Application	WO25092001TR200100046	
Applicant	Assan Demir VE SAC Sanayi A.S.	
Inventor	Akkurt, A, Soner; Dundar, Murat	
Title	Process of producing 5XXX series aluminum alloys with high mechanical properties through twin-roll casting	
Info		
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,5-6,5 * SI : 0-0,5 * FE : 0-0,6 * MN : 0-1,2 * CR : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
27	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US20030052000 A1	20.03.2003
Priority	US5221897	11.07.1997
Application	US2008200222527202	
Applicant	Segal, Vladimir; Thomas, Michael; Li, Jianxing und Mitanmelder	
Inventor	Segal, Vladimir; Thomas, Michael; Li, Jianxing und Miterfinder	
Title	Fine grain size material, sputtering target, methods of forming, and micro-arc reduction method	
Info		
IPC	C23C014/34	
Composition nr.	1	Composite component -
Composition	[atomic-%]: BE + B + C + MG + SI + CA + SC + V + MN + ZN + GA + GE + SE + SR + Y + NB + MO + PD + SB + BA + LA + W + BI + CE + ND + SM + EU + GD + TB + DY : 0,01-10 * AL & Ti & CR & CO & NI & CU & ZR & RU & AG & IN & SN & TA & IR & PT & AU : REST	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRESSED	GEPRÄST
	PRODUCTION	HERSTELLUNG

	USE	VERWENDUNG
28	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US20030050707 A1	13.03.2003
Priority	US82903497	31.03.1997
Application	US3103199782903497	
Applicant	Landingham, Richard	
Inventor	Landingham, Richard	
Title	Novel cermets and molten metal infiltration method and process for their fabrication	
Info		
IPC	C04B035/52	
Composition nr.	1	Composite component b
Composition	Composite material [%]; MATRIX * EINLAGERUNG Component a [weight-%]: AL.O + AL.N + AL.B + S.I.O + HF.O + HF.N + HF.B + V.O + V.N + V.B + BE.O + BE.N + B.O : REST * CA.O & MG.O & S : 0-1 Component b [%]: Ti + Ni + MG + Ca + AL + Li + Cu + FE + SI + MN + Co + Mo + Nb + Zr : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	POROUS	PORÖS
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
29	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP2003073810 AA	12.03.2003
Priority	JP2001263085	31.08.2001
Application	JP310820012001263085	
Applicant	Vacuum Metallurgical Co. Ltd.	
Inventor	Hagiwara, Junichiro; Tokuda, Ichiro	
Title	Thin-film aluminum alloy and sputtering target for forming thin-film aluminum alloy	
Info		
IPC	C23C014/14	
Composition nr.	1	Composite component -
Composition	[atomic-%]: AG + CU + MG + ZN : 0,5-15 * CO + CR + GD + HF + LI + MN + MO + NB + ND + NI + PD + PT + RU + SC + SR + TA + TI + W + Y + ZR : 0,01-5 * AL : REST	
Keywords	(english)	(german)

	CLADDING-MATERIAL	PLATTIERW
	HARD	HART
	MASTER-ALLOY	VORLEG
	USE	VERWENDUNG
30	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO2002103073 A2	27.12.2002
Priority	JP2001181833	15.06.2001
Application	WO14062002JP200205978	
Applicant	Nippon Steel Corp.; Suehiro, Masayoshi; Maki, Jun; Fuda, Masahiro und Mitanmelder	
Inventor	Suehiro, Masayoshi; Maki, Jun; Fuda, Masahiro und Miterfinder	
Title	High-strength alloyed aluminum-system plated steel sheet and high-strength automotive part excellent in heat resistance and after painting corrosion resistance	
Info	Bemessungsregel	
IPC	C23C002/00	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MN : CR : 0,101-1,11 * SI : 0-20 * ZN : 0-50 * MG : 0-10 * AL * FE : REST Component b [weight-%]: C : 0,05-0,7 * SI : 0,05-1 * MN : 0,2-3 * P : 0-0,1 * S : 0-0,1 * AL : 0-0,2 * Ti : 0,01-0,8 + CR : (0)-3 + MO : (0)-1 * N : 0-0,1 * NB : 0-0,1 * V : 0-0,1 * NI : 0-1 * CU : 0-1 * B : 0-0,03 * SN : 0-0,1 * SB : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	HEAT-RESISTANT	HITZEBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
31	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO2002071513 A2	12.09.2002
Priority	CA2339059	02.03.2001
Application	WO30012002CA200200120	
Applicant	Aluminium-Power, Inc.	
Inventor	Larochenko, Alexander; Kulakov, Evgeny; Caronic, Valery	
Title	Aluminum anodes and method of manufacture thereof	

Info		
IPC	C22C021/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: AL : 95-99,5 * GA + IN + TL + CD + SN + PB + MN + FE + MG : 0,5-5	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	ELECTRODE	ELEKTRODE
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
32	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP2002206130 AA	26.07.2002
Priority	JP2001000158	04.01.2001
Application	JP040120012001000158	
Applicant	KOBE STEEL LTD.	
Inventor	TAKEMOTO, MASAO; SASAKI, NOBUYUKI	
Title	ALUMINUM ALLOY EXTRUSION MATERIAL HAVING EXCELLENT CORROSION RESISTANCE IN THE GROUND AND PRODUCTION METHOD THEREFOR	
Info		
IPC	C22C02100	
Composition nr.	2	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: ORGANISCH : 100 Component b [weight-%]: MG : 0-6 * MN : 0-1,5 * CR : 0-0,4 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	THERMAL	THERMISCH
33	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE10105199 C	20.06.2002
Priority	DE10105199	06.02.2001
Application	DE0602200110105199	
Applicant	SAINT-GOBAIN GLASS DEUTSCHLAND GMBH	
Inventor	SCHICHT, HEINZ/ SCHINDLER, HERBERT/ SCHMIDT, UWE UND MITERFINDER	

Title	VORSPANNBARES LOW-E-SCHICHTSYSTEM FUER FENSTERSCHEIBEN SOWIE MIT DEM LOW-E-SCHICHTSYSTEM BESCHICHTE TRANSPARENTE SCHEIBE	
Info		
IPC	C03C01736	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 4,5 * MN : 1 * AL : REST	
Keywords	(english)	(german)
	MASTER-ALLOY	VORLEG
	USE	VERWENDUNG
34	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE10149675 A1	08.05.2002
Priority	JP2000317841	18.10.2000
Application	DE0910200110149675	
Applicant	Daido Metal Co. Ltd.	
Inventor	Kagohara, Yukihiko; Fujita, Masahito; Yamamoto, Koichi und Miterfinder	
Title	Mehrstoffgleitlager und Herstellungsverfahren hierfür	
Info		
IPC	F16C033/12	
Composition nr.	2	Composite component -
Composition	[weight-%]: SN : 3-20 + CU + ZN + MG + SI : 0,1-7 + MN + V + MO + CR + CO + FE + NI + W : 0,01-3 + B + TI + ZR : 0,01-2 + PB + BI + IN : (0)-3 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	LAMINATE	LAMINAT
	USE	VERWENDUNG
35	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO0222902 A	21.03.2002
Priority	WO368	18.09.2000
Application	WO18092000RU00/00368	
Applicant	BELOW, N.A./ SOLOTOREWSKI, W.S./ SCHATROW, A.S.	
Inventor	BELOW, N.A./ SOLOTOREWSKI, W.S./ SCHATROW, A.S.	
Title	KONSTRUKTIONSMATERIAL AUF ALUMINIUMBASIS UND VERFAHREN ZUR HERSTELLUNG VON TEILEN AUS DIESEM MATERIAL	
Info	FREIES SI < 3*GESAMT SI < 4,5*EINLAGERUNG ENTHAELT UEBERGANGSELEMENTE UND SELTENE ERDEN	
IPC	C22C02100	
Composition		

nr.	2	Composite component a
Composition	Composite material [volume-%]: MATRIX : 75-95 * EINLAGERUNG : 5-25 Component a [weight-%]: CU + MG + ZN + SI + MN + ZR + CR : 0,3-10 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	HARD	HART
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
36	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE10035351 A	21.02.2002
Priority	DE10035351	20.07.2000
Application	DE2007200010035351	
Applicant	NELSON BOLZENSCHWEISS-TECHNIK GMBH & CO.KG.	
Inventor	NOGUES, JEAN-CHARLES/ JOST, KLAUS	
Title	ALUMINIUMSCHWEISSTEIL, INSBESONDERE ALUMINIUMBOLZEN FUER DAS BOLZENSCHWEISSEN, UND VERFAHREN ZUM VERSCHWEISSEN DESSELBEN	
Info		
IPC	B23K00920	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI + MG + CU + MN + CR + ZN : 0-10 * AL : REST	
Keywords	(english)	(german)
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
37	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP1170394 A	09.01.2002
Priority	US591904	12.06.2000
Application	EP1206200101114220	
Applicant	ALCOA INC.	
Inventor	RIOJA, ROBERTO/ WESTERLUND, ROBERT/ ROBERTS, ANNE UND MITERFINDER	
Title	ALUMINIUM SHEET PRODUCTS HAVING IMPROVED FATIGUE CRACK GROWTH RESISTANCE AND METHODS OF MAKING SAME	
Info		
IPC	C22F00104	
Composition nr.	3	Composite component -
Composition	[weight-%]: MG : 0,2-7 * CU : 0-1,5 * MN : 0-1 * ZN : 0-3 * SI : 0-0,5 * LI + AG + CD + LA + REM + HF + SC + TI + CR + V + ZR + NI + FE : 0-1 * AL : REST	

Keywords	(english)	(german)
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	TEXTURE	TEXTUR
	USE	VERWENDUNG
38	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US6322646 B	27.11.2001
Priority	US919869	28.08.1997
Application	US12062000592513	
Applicant	ALCOA INC.	
Inventor	CHAKRABARTI, DHRUBA/ DOHERTY, ROGER	
Title	METHOD FOR MAKING A SUPERPLASTICALLY-FORMABLE AL-MG PRODUCT	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2,7-3,8 * MN : 0-1,6 + ZR : 0-0,2 + CR : 0-0,3 * SI : 0,11-1 + CU : 0-1,5 * AL : REST * FE : 0-0,3	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
39	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP01262263 A	26.09.2001
Priority	JP81152	23.03.2000
Application	JP2303200081152/00	
Applicant	KOBE STEEL LTD.	
Inventor	MATSUZAKI, HITOSHI/ NISHI, SEIJI/ MATSUMOTO, KATSUSHI UND MITERFINDER	
Title	AL-MG SERIES AL ALLOY SHEET EXCELLENT IN FORMABILITY	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * SI : 0,1-0,6 * CU : 0-0,4 * FE : 0,1-1 * MN : 0-1 * CR : 0-0,3 * ZR : 0-0,3 *	

	V : 0-0,3 * TI : 0-0,03 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	USE	VERWENDUNG
40	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE10047384 A	09.08.2001
Priority	DE10004471	02.02.2000
Application	DE2509200010047384	
Applicant	CLAUSSEN, NILS	
Inventor	CLAUSSEN, NILS/ SANDHAGE, KENNETH/ KUMAR, PRAGATI/ JANSSEN, ROLF UND MITERFINDER	
Title	DRUCKGIESSEN VON REFRAKTAEREN METALL-KERAMIK-VERBUNDWERKSTOFFEN	
Info	DRUCKINFILTRATION DES POROESEN VORKOERPERS MIT AL ODER EINER AL- LEGIERUNG	
IPC	B22D00702	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * KERAMIK Component a [weight-%]: AL + MG + CR + CO + CE + CU + AU + HF + FE + MN + MO + NI + NB + PD + PT + SI + AG + TA + TI + W + V + Y + ZR : 100 Component b [weight-%]: FE.O + CR.O + NLO + TLO + FEN + CR.N + CO.O : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	HEAT-RESISTANT	HITZEBEST
	MASTER-ALLOY	VORLEG
	PLASTIC	PLASTISCH
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
41	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO0140531 A	07.06.2001
Priority	WO2116	06.12.1999
Application	WO14062000US00/16204	
Applicant	PECHINEY ROLLED PRODUCTS LLC.	
Inventor	SMITH, KENNETH/ DUNBAR, BRADY	
Title	HIGH STRENGTH ALUMINUM ALLOY SHEET AND PROCESS	
Info		

IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * MN : 0-1,5 * SI : 0-0,3 * FE : 0-0,4 * ZN : 0-1,8 * CR : 0-0,25 * SC : 0-0,5 * ZR : 0-0,5 * VERUN : 0-3 * AL : REST	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
	TENSILE-STRENGTH	ZUGFEST
42	<i>Deutsches Patent- und Markenamt DPMA</i>	
Publication	DE60001982 T2	19.04.2001
Priority	IL13229199	08.10.1999
Application	DE0610200060001982	
Applicant	Advanced Alloys Technologies Ltd.	
Inventor	Surpin, Dina	
Title	Herstellungsverfahren von Tantal und Niob Pulvern mit hoch entwickelter Oberfläche	
Info		
IPC	B22F009/04	
Composition nr.	1	Composite component b
Composition	Composite material [weight-%]: MATRIX : 65-80 * EINLAGERUNG : 20-35 Component a [weight-%]: TA : 10-90 * NB : REST Component b [weight-%]: FE + CU + MN + TI + NI + MG + AL + ZN + CD + CO + MO : 100	
Keywords	(english)	(german)
	MASTER-ALLOY	VORLEG
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
43	<i>Deutsches Patent- und Markenamt DPMA</i>	
Publication	JP2001098338 AA	10.04.2001
Priority	JP11-274293	28.09.1999
Application	JP2809199911-274293	
Applicant	Kobe Steel Ltd.; Sky Alum. Co. Ltd.; Sumitomo Light Metal Ind. Ltd.; und Mitanm.	
Inventor	Kobayashi, Kazunori	
	High strength and high formability aluminum alloy sheet excellent in refining of recrystallized grain at	

Title	the time of high temperature annealing	
Info		
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[%]: MG : 3-10 * MN : 0,1-1,5 * AL : REST	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
44	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP01026830 A	30.01.2001
Priority	JP198692	13.07.1999
Application	JP1307199911-198692	
Applicant	FUJIKURA LTD./ SKY ALUM CO., LTD.	
Inventor	MAEJIMA, SEIJU/ SARUWATARI, KOICHI/ MIMURA, SHOJI UND MITERFINDER	
Title	HIGH CORROSION RESISTANT ALUMINUM ALLOY CONDUCTING WIRE, AND HIGH CORROSION RESISTANT COMPOSITE CONDUCTING WIRE	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 0,3-4,3 * MG : 0-6 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	WIRE	DRAHT
45	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US6123899 A	25.09.2000
Priority	US401043	08.03.1995
Application	US0803199508/401043	
Applicant	KB ALLOYS, INC.	
Inventor	SETZER, WILLIAM C. / MALLIRIS, RICHARD J. UND MITERFINDER	
Title	MASTER ALLOY HARDENERS	
Info	ZUSAMMENFASSUNG DER LEGIERUNGEN GEMAESS TABELLE 2, DORT IST DAS ELEMENT CU OFFENSICHTLICH FALSCH DURCH DAS SYMBOL OI ANGEgeben	

IPC	C22C02102	
Composition nr.	2	Composite component -
Composition	[weight-%]: SI : 0-23 * FE : 0-2 * CU : 0-11 * MN : 0-0,8 * MG : 0-10,6 * CR : 0-0,6 * N1 : 0-3 * ZN : 0-8 * SN : 0-7 * TI : 0-0,35 * AG + SB + CO + V + ZR + BE + PB : 0-1 * AL : REST	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
46	<i>Deutsches Patent- und Markenamt DPMA</i>	
Publication	JP00239777 A	05.09.2000
Priority	JP44781	23.02.1999
Application	JP2302199911-44781	
Applicant	KOBE STEEL LTD.	
Inventor	NODA, KENJI/ MATSUI, KUNIYAKI	
Title	ALUMINIUM ALLOY SHEET FOR BATTERY CASE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-6 * FE + MN + CR : 0,2-2,222 * AL : REST	
Keywords	(english)	(german)
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
47	<i>Deutsches Patent- und Markenamt DPMA</i>	
Publication	JP00169928 A	20.06.2000
Priority	JP274477	29.09.1998
Application	JP2209199911-268599	
Applicant	FURUKAWA ELECTRIC CO., LTD:THE/ KOBE STEEL LTD./ SKY ALUM CO., LTD./ SUMITOMO LIGHT METAL IND. LTD./ NIPPON LIGHT METAL CO., LTD./ MITSUBISHI ALUM CO., LTD.	
Inventor	NIIKURA, AKIO/ TOTSUGI, YOICHIRO	
Title	ALUMINUM BASE ALLOY SLAB EXCELLENT IN STRENGTH AND FORMABILITY AND ITS PRODUCTION	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-7 * FE : 0,1-2 + MN : 0,05-1 + CR : 0,05-0,5 + ZR : 0,05-0,2 * AL : REST	
	(english)	(german)

Keywords		
	FINE-GRAINED	FEINKÖRNIG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
48	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP00144297 A	26.05.2000
Priority	JP315488	06.11.1998
Application	JP0611199810-315488	
Applicant	FURUKAWA ELECTRIC CO., LTD:THE/ ISHIKAWAJIMA HARIMA HEAVY IND CO., LTD.	
Inventor	HAYASHI, MINORU/ TOTSUGI, YOICHIRO/ OKITA, TOMIHARU UND MITERFINDER	
Title	ALUMINUM ALLOY WELDED JOINT EXCELLENT IN TOUGHNESS AT LOW TEMPERATURE, AND STRUCTURAL MATERIAL USING SAME	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1,5-3,5 * AL : REST * MN : 0-1 + CR : 0-0,5 + ZR : 0-0,5 + TI : 0-0,5	
Keywords	(english)	(german)
	FILLER-MATERIAL	SCHWEISSZUSATZW
	PLASTIC	PLASTISCH
	TOUGH	ZÄH
49	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE19852358 C	25.05.2000
Priority	DE19852358	13.11.1998
Application	DE1311199819852358	
Applicant	VEGLA VEREINIGTE GLASWERKE GMBH	
Inventor	SCHICHT, HEINZ / SCHMIDT, UWE / KAISER, WILFRIED UND MITERFINDER	
Title	THERMISCH HOCH BELASTBARES LOW-E-SCHICHTSYSTEM	
Info		
IPC	C03C01736	
Composition nr.	1	Composite component -
Composition	[weight-%]: ZN + CU + SI + MN + MG : 1-55 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	USE	VERWENDUNG
50	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)

Publication	DE69905010 T2	25.05.2000
Priority	DE19852358	13.11.1998
Application	DE1011199969905010	
Applicant	Saint-Gobain Glass France S. A.	
Inventor	Schicht, Heinz; Schmidt, Uwe; Kaiser, Wilfried und Miterf.	
Title	Mit einem Schichtstapel niedriger Emissivität versehene Verglasung	
Info	Das Schichtsystem hat folgende Schichtenfolge: SN.O/ZN.O/ZN/AG/AL.ZN.MG/SN.O/SI.O/SN.O/ZN.SN.AL.O oder ZN.SN.SB.O	
IPC	C03C017/36	
Composition nr.	1	Composite component b
Composition	Component a [%]: SN.O + BI.O + TI.O + ZN.O + SI.N + AL.N + AL.SI.N + SI.ZR.N : 100 Component b [weight-%]: MG + MN + CU + ZN + NI + SI : 1-55 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	LAMINATE	LAMINAT
	THERMAL	THERMISCH
51	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP1002603 A	24.05.2000
Priority	JP326987	17.11.1998
Application	EP0911199999308926	
Applicant	TEIKOKU PISTON RING CO LTD	
Inventor	OGUCHI, MASAHIRO / HANADA, FUSANOBU / YOSIZAWA, KATUYUKI UND MITERFINDER	
Title	HYDROGEN-ABSORBING ALLOY POWDER AND METHOD FOR ITS PRODUCTION	
Info	DAS LEGIERUNGSPULVER ENTHAELT WENIGSTENS 10 GEW% VON WENIGSTENS EINEM ELEMENT	
IPC	B22F00908	
Composition nr.	1	Composite component -
Composition	[weight-%]: REM + TI + ZR + V + MG + CA + Y + HF + NB + TA + NI + FE + MN + CU + CO + CR + AL + B + C + SI + P + S + N + PD + PT : 100	
Keywords	(english)	(german)
	ACCUMULATOR	AKKU
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	THERMAL	THERMISCH
52	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US6063210 A	16.05.2000

Priority	US919869	28.08.1997
Application	US28081997919869	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	CHAKRABARTI, DHRUBA J. / DOHERTY, ROGER D.	
Title	SUPERPLASTICALLY-FORMABLE AL-MG-SI PRODUCT AND METHOD	
Info		
IPC	C22C02108	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-10 * MN : 0-1,6 + ZR : 0-0,2 + CR : 0-0,3 * SI : 0,1-1 + CU : 0-1,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
53	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO0017410 A	30.03.2000
Priority	US101313	21.09.1998
Application	WO17091999US99/21639	
Applicant	GIBBS DIE CASTING ALUMINUM CORPORATION	
Inventor	EVANS, JAMES M. / HAGAN, RICHARD J. / TURNER, MORRIS EARL UND MITERFINDER	
Title	ALUMINUM DIE CAST ALLOY HAVING HIGH MANGANESE CONTENT	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 1-2 * FE : 0-0,6 * BE : 0-0,003 * MG : 0-4 * SI : 0-0,45 * CU : 0-5 * ZN : 0-0,1 * TI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
54	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US6042780 C	28.03.2000
Priority	US211040	15.12.1998
Application	US15121998211040	

Applicant	HUANG, XIAODI	
Inventor	HUANG, XIAODI	
Title	METHOD FOR MANUFACTURING HIGH PERFORMANCE COMPONENTS	
Info		
IPC	B22F00300	
Composition nr.	3	Composite component -
Composition	[weight-%]: CA3.P2.O8 + DIAMANT + CU + NI + CO + AL + SI + ZR + MO + V + CR + NB + W + TA + RE + FE + MN + RU + RH + Y + MG : 100	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	WEAR/TEAR	VERSCHLEISS
55	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP2000017414 AA	18.01.2000
Priority	JP10-179948	26.06.1998
Application	JP2606199810-179948	
Applicant	Mitsubishi Alum Co. Ltd.	
Inventor	Sai, Gi; Ohori, Koichi	
Title	Aluminum alloy sheet and its production	
Info		
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2,0-6,0 * CU : 0-0,5 + MN : 0-1,0 + CR : 0-0,35 + ZR : 0-0,25 + TI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
56	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP00008133 A	11.01.2000
Priority	JP175509	23.06.1998
Application	JP2306199810-175509	
Applicant	FURUKAWA ELECTRIC CO., LTD:THE	

Inventor	SHOJI, SATORU/ SUZUKI, SATORU	
Title	ALUMINUM ALLOY SHEET FOR CAN COVER EXCELLENT IN SHATTER STRENGTH AND ITS PRODUCTION	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1,7-5 * SI : 0-0,3 * FE : 0-0,3 * CU : 0-0,3 * MN : 0-0,8 * CR : 0-0,35 * K + NA + CS + RB + LI : 0-0,0001 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
57	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE19827665 A	23.12.1999
Priority	DE19827665	22.06.1998
Application	DE2206199819827665	
Applicant	KRAEMER, MARTIN	
Inventor	KRAEMER, MARTIN	
Title	VERFAHREN ZUR HERSTELLUNG VON DIAMANTVERBUNDWERKSTOFFEN	
Info		
IPC	C04B03500	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 10-99 * EINLAGERUNG : 1-90 Component a [volume-%]: BE + MG + AL + SI + ZN + TI + ZR + MO + B + W + TA + NB + CR + HF + YB + NI + MN + CO + FE + H + O + N + C : 100 Component b [volume-%]: DIAMANT : 100	
Keywords	(english)	(german)
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	THERMAL	THERMISCH
	TOOL	WERKZEUG
	WEAR/TEAR	VERSCHLEISS
58	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP11350087 A	21.12.1999
Priority	JP163587	11.06.1998

Application	JP1106199810-163587	
Applicant	NIPPON STEEL CORP.	
Inventor	KATO, KENJI/ KUROSAKI, MASAO/ MORIMOTO, YASUHIDE UND MITERFINDER	
Title	CORROSION RESISTANT STEEL	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN : 100 Component a [weight-%]: MG : 0,05-10 + IN : 0,05-10 * AL + ZN + CR + MN : REST Component b [weight-%]: C : 0-0,02 * SI : 0,01-3 * MN : 0,01-3 * P : 0-0,03 * S : 0-0,1 * N : 0-0,02 * CR : 0,1-9,9 * AL : 0,1-10 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
59	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE19813176 A	30.09.1999
Priority	DE19813176	25.03.1998
Application	DE2503199819813176	
Applicant	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	
Inventor	BANHART, JOHN/ BAUMEISTER, JOACHIM/ MELZER, ARMIN UND MITERFINDER	
Title	VERFAHREN ZUR HERSTELLUNG VON VERBUNDWERKSTOFFBAUTEILEN	
Info		
IPC	C22C00102	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + MG + TI + FE + NI + LI + MN + CU + ZN + AG + AU + PB : 100 Component b [weight-%]: AL + MG + ZN + SI + LI + MN + FE + TI + NI + CU + SN + TLH + ZRH + SLC + C + GRAPHIT + AL.O : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WEAR/TEAR	VERSCHLEISS
60	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE19813176 A	30.09.1999

Priority	DE19813176	25.03.1998
Application	DE2503199819813176	
Applicant	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	
Inventor	BANHART, JOHN/ BAUMEISTER, JOACHIM/ MELZER, ARMIN UND MITERFINDER	
Title	VERFAHREN ZUR HERSTELLUNG VON VERBUNDWERKSTOFFBAUTEILEN	
Info		
IPC	C22C00102	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + MG + Ti + FE + NI + LI + MN + CU + ZN + AG + AU + PB : 100 Component b [weight-%]: AL + MG + ZN + SI + LI + MN + FE + Ti + NI + CU + SN + Ti.H + ZR.H + SLC + C + GRAPHIT + AL.O : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WEAR/TEAR	VERSCHLEISS
61	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE69827404 T2	18.03.1999
Priority	JP246705/97	11.09.1997
Application	DE1009199869827404	
Applicant	Nippon Light Metal Co., Ltd.; Alcan International Ltd.; Honda Giken Kogyo K.K.	
Inventor	Moriyama, Takeshi; Wycliffe, Paul; Lloyd, James und Miterfinder	
Title	Verfahren zur Herstellung von Blech aus Aluminium-Legierung	
Info		
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-5 * CU + FE + MN + ZN + CR + ZR + V : 0-2 * Ti : 0-0,099 * B : 0-0,0499 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

62	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US6248193 B	18.03.1999
Priority	JP246705	11.09.1997
Application	WO10091998JP98/04079	
Applicant	NIPPON LIGHT METAL COMPANY, LTD. / ALCAN INTERNATIONAL LIMITED / HONDA GIKEN KOGYO K.K.	
Inventor	ZHAO, PIZHI / MORIYAMA, TAKESHI / HAYASHI, NOBORU UND MITERFINDER	
Title	PROCESS FOR PRODUCING AN ALUMINUM ALLOY SHEET	
Info	FUER ALLE JIS-5000-LEGIERUNGEN	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * CU + FE + MN + ZN + CR + ZR + V : 0-2 * TI : 0-0,098 * B : 0-0,049 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRESSED	GEPRESST
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
63	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO9913118 A	18.03.1999
Priority	JP246704	11.09.1997
Application	WO10091998JP98/04080	
Applicant	NIPPON LIGHT METAL CO., LTD./ ALCAN INTERNATIONAL LTD./ HONDA GIKEN KOGYO K.K.	
Inventor	MORIYAMA, TAKESHI/ WYCLIFFE, PAUL/ LLOYD, DAVID UND MITERFINDER	
Title	ALUMINUM ALLOY SHEET FOR SPOT WELDING	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-6 * FE : 0,15-1 * MN : 0,03-2 * CU : 0-0,5 * CR : 0-0,15 * ZR : 0-0,15 * V : 0-0,1 * TI : 0-0,2 * B : 0-0,1 * ZN : 0-0,5 * SI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	ELECTRIC	ELEKTRISCH
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST

	WELDABLE	SCHWEISSBAR
64	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9913124 A	18.03.1999
Priority	JP246705	11.09.1997
Application	WO10091998JP98/04079	
Applicant	NIPPON LIGHT METAL COMPANY LTD	
Inventor	MORIYAMA, TAKESHI / WYCLIFFE, PAUL / LLOYD, DAVID JAMES	
Title	PROCESS FOR PRODUCING AN ALUMINUM ALLOY SHEET	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-5 * CU + FE + MN + ZN + SI + CR + ZR + V ; 0-2 * TI ; 0-0,1 * B ; 0-0,05 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
65	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP892077 A	20.01.1999
Priority	US896385	18.07.1997
Application	EP3006199898112084	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	FANG, QUE-TSANG/ LIN, JEN/ SINDEL, MANFRED UND MITERFINDER	
Title	CAST ALUMINIUM ALLOY AND COMPONENTS PRODUCED THEREOF	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0-0,5 * FE : 0-0,5 * TI : 0-0,15 * MG : 2,5-6,5 * MN : 0,5-1,4 * AL : REST	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

66	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9849359 A	05.11.1998
Priority	JP121567	25.04.1997
Application	WO23041998JP98/01874	
Applicant	TOYO KOHAN CO., LTD.	
Inventor	SHIMIZU, KEIICHI/ KUNISHIGE, FUMIO/ SHIRAI, SHINJI	
Title	RESIN-COATED ALUMINUM ALLOY SHEET FOR DRAWN AND IRONED CAN	
Info	SI*FE < 0,8	
IPC	C22C02106	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: ORGANISCH : 100 Component b [weight-%]: MN : 0,5-1 * MG : 2-4 * SI : 0-0,4 * FE : 0-0,6 * CU : 0-0,4 * AL : REST	
Keywords	(english) COMPOSITE-MATERIAL MACHINEABLE PRODUCTION SURFACE TENSILE-STRENGTH	(german) VERBUNDW ZERSPANBAR HERSTELLUNG OBERFLÄCHE ZUGFEST
67	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US5810949 A	22.09.1998
Priority	US473827	07.06.1995
Application	US07061995473827	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	CHAKRABARTI, DHRUBA/ WESTERLUND, ROBERT/ HALTER, BRUCE	
Title	METHOD FOR TREATING AND ALUMINUM ALLOY PRODUCT TO IMPROVE FORMABILITY AND SURFACE FINISH CHARACTERISTICS	
Info		
IPC	C22C001057	
Composition nr.	2	Composite component -
Composition	[weight-%]: SI : 0,3-1,5 + MG : 0,5-10 + CU : 0,2-7 + FE : 0,3-2 + LI : 0,2-3 + MN : 0,15-2 + ZN : 0,05-9 * BI : 0-0,7 * CD : 0-0,5 * CR : 0-0,4 * PB : 0-0,7 * NI : 0-0,4 * SN : 0-0,7 * TI : 0-0,25 + V : 0-0,25 * ZR : 0-0,25 * AL : REST	
Keywords	(english) FINE-GRAINED HEAT-TREATMENT	(german) FEINKÖRNIG WÄRMEBEHANDLUNG

	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
68	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE19730146 A	28.05.1998
Priority	JP331578	26.11.1996
Application	DE1407199719730146	
Applicant	MAZDA MOTOR CORP.	
Inventor	KAZUO UND MITERFINDER	
Title	VORFORMLING-STRUKTUREN, ALUMINIUM- ODER ALUMINIUMLEGIERUNGS-VERBUNDWERKSTOFFKOMPONENTEN IM VERBUND MIT DEN VORFORMLING-STRUKTUREN UND VERFAHREN ZU DEREN HERSTELLUNG	
Info		
IPC	B22F00704	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 70-98,5 * EINLAGERUNG : 1,5-30 Component a [weight-%]: SI + MG : 0-15,555 * CU + MN + FE + ZN : 0-3,333 * AL : REST Component b [volume-%]: Ti.O : 60-95 * AL.B.O & ALO & K.TLO : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	HARD	HART
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	USE	VERWENDUNG
	WEAR/TEAR	VERSCHLEISS
69	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP10053847 AA	24.02.1998
Priority	JP8-112132	10.04.1996
Application	JP100419979-106802	
Applicant	Toyo Kohan Co. Ltd.	
Inventor	Shimizu, Keiichi; Kunishige, Fumio; Komai, Masao	
Title	Production of resin-coated aluminum alloy sheet for can made by deep drawing and ironing	
Info	Si+Fe <= 0,9	
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 0,01-1,0 * MG : 2,0-6,0 * SI : 0,05-0,4 * FE : 0-0,7 * AL : REST	

Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
70	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP823489 A	11.02.1998
Priority	FR9610085	06.08.1996
Application	EP2307199797420125	
Applicant	PECHINEY RHENALU	
Inventor	HOFFMANN, JEAN-LUC/ SCHMIDT, MARTIN	
Title	PRODUIT POUR CONSTRUCTION SOUDEE EN ALLIAGE ALMGMN A TENUE A LA CORROSION AMELIOREE	
Info		
IPC	C22C02108	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6,5 * MN : 0,2-1 * FE : 0-0,8 * SI : 0,05-0,6 * ZN : 0-1,3 * CR : 0-0,15 + CU : 0-0,3 + TI : 0-0,3 + AG : 0-0,3 + ZR : 0-0,3 + V : 0-0,3 * AL : REST * VERUN : 0-0,15	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELASTIC	ELASTISCH
	FATIGUE-RESISTING	SCHWINGFEST
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
71	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP09279321 AA	28.10.1997
Priority	JP8-112133	10.04.1996
Application	JP100419968-112133	
Applicant	Toyo Kohan Co. Ltd.	
Inventor	Shimizu, Keiichi; Tanabe, Junichi; Kunishige, Fumio und Miterf.	
Title	Production of resin-coated aluminum alloy sheet for can formed by deep drawing and ironing	
Info	Si+Fe:0-0,8	
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 0,01-1,0 * MG : 2,5-6,0 * SI : 0-0,3 * FE : 0-0,7 * AL : REST	
Keywords	(english)	(german)

	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
72	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US5681407 A	28.10.1997
Priority	US63209	18.05.1993
Application	US06031995400316	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	YU, HO/ NICOL, JEFFREY/ RAMSER, ROBERT UND MITERFINDER	
Title	METHOD OF HEAT TREATING METAL WITH LIQUID COOLANT CONTAINING DISSOLVED GAS	
Info	GESCHMIEDETES FE ODER MG ODER FE- ODER MG-LEG KOENNEN DIESER WAERMEBEHANDLUNGSMETHODE UNTERWORFEN WERDEN	
IPC	C21D001613	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0-10 + CU : 0-10 + ZN : 0-12 + BE : 0-5 + LI : 0-3 + MN : 0-2 + FE : 0-2 + SI : 0-15 + CR : 0-0,4 + NI : 0-0,4 + TI : 0-0,25 + V + ZR : 0-0,25 + B : 0-0,04 + CD : 0-0,5 + BI + PB : 0-0,7 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	TENSILE-STRENGTH	ZUGFEST
73	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9738145 A	16.10.1997
Priority	CH865	03.04.1996
Application	WO27031997CH97/00130	
Applicant	ALUSUISSE TECHNOLOGY & MANAGEMENT AG.	
Inventor	GOETZ, MICHAEL/ HOTZ, WALTER/ KEPPNER, HERBERT	
Title	BESCHICHTUNGSSUBSTRAT	
Info		
IPC	C22C02100	
Composition nr.	3	Composite component -
Composition	[weight-%]: SI : 0-1,5 * FE : 0-1 * CU : 0-4 * MN : 0-1,5 * MG : 0-6 * ZN : 0-7 * TI : 0-0,2 * VERUN : 0-1,6 * AL : REST	

Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
74	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US5620804 C	15.04.1997
Priority	US269369	10.11.1988
Application	US0706199372673	
Applicant	LANXIDE TECHNOLOGY COMPANY, LP	
Inventor	KENNEDY, CHRISTOPHER R. / AGHAJANIAN, MICHAEL K. / NAGELBERG, ALAN S.	
Title	METAL MATRIX COMPOSITE BODIES CONTAINING THREE-DIMENSIONALLY INTERCONNECTED CO-MATRICES	
Info		
IPC	C22C00109	
Composition nr.	2	Composite component b
Composition	Component a [weight-%]: AL.B + AL.O + Si.C : 0-33,33 * AL.N : REST Component b [weight-%]: SI + FE + CU + MN + CR + CA + SR + ZN : 0-5,555 * MG : 3-11,11 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	USE	VERWENDUNG
	WEAR/TEAR	VERSCHLEISS
75	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE69628312 T2	27.03.1997
Priority	US52952295	18.09.1995
Application	DE1709199669628312	
Applicant	Alcoa Inc.	
Inventor	Westerman, J.,Edwin; Wyatt-Mair, F., Gavin	
Title	Verfahren zur Herstellung von Getränkedosenblech	
Info		
IPC	C22F001/04	
Composition nr.	1	Composite component -

Composition	[weight-%]: SI : 0-0,06 * FE : 0-0,8 * CU : 0-0,6 * MN : 0,2-1,5 * MG : 0,2-4 * ZN : 0-0,25 * CR : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
76	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO9711205 A	27.03.1997
Priority	US529522	18.09.1995
Application	WO17091996US96/14877	
Applicant	KAISER ALUMINUM & CHEMICAL CORP.	
Inventor	SUN, TYZH-CHIANG/ BETTS, WILLIAM/ HARRINGTON, DONALD UND MITERFINDER	
Title	A METHOD FOR MAKING BEVERAGE CAN SHEET	
Info		
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0-0,6 * FE : 0-0,8 * CU : 0-0,6 * MN : 0,2-1,5 * MG : 0,2-4 * ZN : 0-0,25 * CR : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
77	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP761837 A	12.03.1997
Priority	US521364	31.08.1995
Application	EP3008199696306298	
Applicant	KAISER ALUMINUM & CHEMICAL CORP.	
Inventor	BROWN, KEVIN	
Title	METHOD OF PRODUCING ALUMINUM ALLOYS HAVING SUPERPLASTIC PROPERTIES	
Info		
IPC	C22F00104	
Composition nr.	3	Composite component -

Composition	[weight-%]: MG : 4-4,9 * MN : 0,4-1 * CR : 0-0,25 * FE : 0-0,4 * SI : 0-0,4 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	SUPERPLASTIC	SUPERPLASTISCH
	USE	VERWENDUNG
78	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9634993 A	07.11.1996
Priority	US432223	01.05.1995
Application	WO01051996US96/05917	
Applicant	MCDONNELL DOUGLAS CORPORATION	
Inventor	KEENER, STEVEN	
Title	PREPARATION OF PRE-COATED ALUMINUM ALLOY ARTICLES	
Info		
IPC	C22F00102	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: ORGANISCH : 100 Component b [weight-%]: CU : 0,1-4,5 + MG : 0,4-5,6 + ZN : 0,1-6,2 + ZR : 0-0,12 + CR : 0-2,9 + FE : 0-0,7 + SR : 0-13,9 + MN : 0-1 + SI : 0-1 + TI : 0-0,15 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
79	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US5561829 C	01.10.1996
Priority	US96317	22.07.1993
Application	US27041995430107	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	SAWTELL, RALPH/ HUNT, WARREN/ RODJOM, THOMAS UND MITERFINDER	
Title	METHOD OF PRODUCING STRUCTURAL METAL MATRIX COMPOSITE PRODUCTS FROM A BLEND OF POWDERS	
Info	ALS MATRIX KOENNEN AUCH MG-CU-STAHL-TI- UND NI-LEGIERUNGEN VERWENDET WERDEN	
IPC	B22F00102	

Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 50-90 * EINLAGERUNG : 10-50 Component a [weight-%]: MG : 0-10 * CU : 0-10 * ZN : 0-12 * BE : 0-5 * LI : 0-3 * MN : 0-2 * FE : 0-2 * SI : 0-1,5 * CR + NI + ZR + V + TI + B + PB + CD + BI : 0-0,4 * AL : REST Component b [volume-%]: SL.C + SL.N + SL.AL.O.N + TL.N + TL.C + TI.SI + MO.SILIKAT + B.C + AL.O + MG.O + SI : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
80	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR2731018 A	30.08.1996
Priority	FR9502387	24.02.1995
Application	FR240219959502387	
Applicant	PECHINEY RHENALU	
Inventor	RAYNAUD, GUY/ HOFFMANN, JEAN/ COTTIGNIES, LAURENT	
Title	TOLE POUR CONSTRUCTION SOUDEE EN ALLIAGE ALMGMN A RESISTANCE MECHANIQUE AMELIOREE	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,01-4,998 * FE : 0-0,249 * SI : 0-0,249 * ZN : 0-0,398 * CR : 0-0,249 * TI : 0-0,198 * ZR : 0-0,0198 * CU : 0-0,198 * MN : 0,501-0,998 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
81	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE69613812 T	29.08.1996
Priority	FR9502387	24.02.1995

Application	WO21021996FR96/00279	
Applicant	PECHINEY RHENALU	
Inventor	RAYNAUD, GUY-MICHEL/ HOFFMANN, JEAN-LUC/ COTTIGNIES, LAURENT UND MITERFINDER	
Title	GESCHWEISSTE KONSTRUKTIONEN AUS EINER ALUMINIUM-MAGNESIUM-MANGAN LEGIERUNG MIT VERBESSERTEN MECHANISCHEN EIGENSCHAFTEN	
Info	MN+2.ZN > 0,8	
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 4,3-4,98 * MN : 0,721-0,98 * FE : 0-0,19 * SI : 0-0,24 * ZN : 0-0,39 * CR : 0-0,24 * CU : 0-0,19 * TI : 0-0,19 * ZR : 0-0,19 * VERUN : 0-0,15 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	DISPERSION-HARDENING	DISPERSIONSH
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	PRESSED	GEPRESST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
	WIRE	DRAHT
82	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE69528742 T2	19.06.1996
Priority	JP311852/94	15.12.1994
Application	DE1412199569528742	
Applicant	Sumitomo Electric Industries, Ltd.	
Inventor	Harada, Keizo; Ishii, Masayuki; Yamanaka, Shosaku	
Title	Poröser metallischer Körper, dessen Herstellungsverfahren und Batterieplatte daraus	
Info		
IPC	C22C001/08	
Composition nr.	1	Composite component -
Composition	[weight-%]: BI + CA + CO + CU + FE + GE + IN + LA + LI + MG + MN + NI + SI + SN + ZN : (0)-20 * AL : REST	
Keywords	(english)	(german)
	ACCUMULATOR	AKKU
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRODE	ELEKTRODE
	HEAT-RESISTANT	HITZEBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

	METAL-POWDER	METALLPULVER
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
83	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US5516374 C	14.05.1996
Priority	JP327430	12.11.1992
Application	US04051994238253	
Applicant	THE FURUKAWA ELECTRIC CO LTD	
Inventor	HABU, TETSUSHI / HAYASHI, MINORU / BEKKI, YOICHIRO	
Title	METHOD OF MANUFACTURING AN ALUMINUM ALLOY SHEET FOR BODY PANEL AND THE ALLOY SHEET MANUFACTURED THEREBY	
Info	FE+1,1MN+1,1CR+3TI+3ZR:0,4-1,5	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 4-10 * CU : 0-0,25 * FE : 0,22-1 + MN : (0)-1 + CR : (0)-0,3 + TI : (0)-0,2 + ZR : (0)-0,3 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
84	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP08074012 AA	19.03.1996
Priority	JP6-214603	08.09.1994
Application	JP080919946-214603	
Applicant	Toyota Motor Corp.	
Inventor	Miyake, Keiji; Serizawa, Yoshihisa; Suganuma, Tetsuya	
Title	Production of superplastic aluminum alloy	
Info		
IPC	C22F001/047	
Composition nr.	1	Composite component -
Composition	[weight-%]: REM + ZR + V + W + TI + NI + NB + CA + CO + MO + TA + LI + CR + MN + BE + CE + LA + Y : 0,1-1,0 * MG : 0-15 * FE : 0-0,1 * AL : REST	

Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
85	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP690142 A	03.01.1996
Priority	JP127812	09.06.1994
Application	EP0706199595401319.9	
Applicant	THE FURUKAWA ELECTRIC CO. LTD.	
Inventor	HABU, TETSUSHI/ BEKKI, YOICHIRO/ YASUNAGA, KUNIHIRO UND MITERFINDER	
Title	ALUMINIUM ALLOY SHEET FOR AUTO BODY SHEET, METHOD FOR MANUFACTURING SAME AND METHOD FOR FORMING SAME	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-8 * FE : 0-1,5 + MN : 0-1 + CR : 0-0,3 + ZR : 0-0,3 * AL : REST * CU : 0-0,5 * SI : 0-0,2 * TI : 0-0,2	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TEXTURE	TEXTUR
86	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP681034 A	08.11.1995
Priority	EP94107131	06.05.1994
Application	EP0605199494107131.8	
Applicant	THE FURUKAWA ELECTRIC CO., LTD.	
Inventor	HABU, TETSUSHI/ HAYASHI, MINORU/ BEKKI, YOICHIRO	
Title	A METHOD OF MANUFACTURING AN ALUMINIUM ALLOY SHEET FOR BODY PANEL AND THE ALLOY SHEET MANUFACTURED THEREBY	
Info	FE+1,1MN+1,1CR+3TI+3ZR:0,4-1,5	
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: CU : 0-0,5 * MG : 4-10 * FE : (0)-1 + MN : (0)-1 + CR : (0)-0,3 + TI : (0)-0,2 + ZR : (0)-0,3 * AL : REST	
Keywords	(english)	(german)

	FINE-GRAINED	FEINKÖRNING
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
87	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE4406191 A	07.09.1995
Priority	DE4406191	25.02.1994
Application	DE250219944406191	
Applicant	KS ALUMINIUM-TECHNOLOGIE AG	
Inventor	STENZEL, OTTO W./ SICK, GEORG/ KOEHLER, EDUARD/ MOEDING, HERBERT	
Title	GLEITLAGERUNG	
Info	INFILTRATION DER ALUMINIUM-LEGIERUNGSMATRIX	
IPC	F16C03312	
Composition nr.	1	Composite component b
Composition	Composite material [volume-%]: MATRIX : 50-95 * EINLAGERUNG : 5-50 Component a [weight-%]: AL : 100 Component b [weight-%]: SI + TI + V + CR + MN + FE + CO + NI + MG + ZR + MO + AL + CU + W.C + TLC + TA.C + B.C + SLC + B.N + BE.O + MG.O + CA.O + ZR.O + TLO + CR.O + AL.O + GRAPHIT + PB + MO.S : 100	
Keywords	(english)	(german)
	BEARING	LAGER
	COMPOSITE-MATERIAL	VERBUNDW
	SLIDEABLE	GLEITFÄHIG
	WEAR/TEAR	VERSCHLEISS
88	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE69418581 T2	26.01.1995
Priority	FR9308987	16.07.1993
Application	DE1107199469418581	
Applicant	Pechiney Rhenalu	
Inventor	Legresy, Jean-Marc; Raynaud, Guy-Michel	
Title	Verfahren zur Herstellung dünner Bleche, geeignet für die Anfertigung von Dosenteilen	
Info	Bedingung gilt: 6 % <= MN % + 2 MG % <= 9 %	
IPC	C22C021/06	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-4 * MN : (0)-1,6 * CU : 0-0,399 * CR : 0-0,199 * SI : 0-0,299 * FE : 0-0,499 *	

	AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
89	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO9502708 A	26.01.1995
Priority	FR8987	16.07.1993
Application	WO11071994FR94/00861	
Applicant	PECHINEY RENALU	
Inventor	LEGRESY, JEAN-MARIE/ RAYNAUD, GUY	
Title	METHOD FOR MANUFACTURING A THIN SHEET FOR PRODUCING CANNING COMPONENTS	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-4 * MN : 0-1,6 * CU : 0-0,4 * CR : 0-0,2 * SI : 0-0,3 * FE : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
90	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR2707668 A	20.01.1995
Priority	FR9308987	16.07.1993
Application	FR160719939308987	
Applicant	PECHINEY RENALU	
Inventor	LEGRESY, JEAN-MARC / RAYNAUD, GUY-MICHEL	
Title	PROCEDE DE FABRICATION D'UNE FEUILLE MINCE APTE A LA CONFECTIION DE COUVERCIES DE BOITES	
Info		
IPC	C22C02106	
Composition		

nr.	1	Composite component -
Composition	[weight-%]: MG : 1-4 * MN : 0-1,6 * AL : REST * CU : 0-0,4 * FE : 0-0,5 * SI : 0-0,3	
Keywords	(english)	(german)
	ELASTIC	ELASTISCH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
91	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR2707669 A	20.01.1995
Priority	FR9308987	16.07.1993
Application	FR290919939311814	
Applicant	PECHINEY RHENALU	
Inventor	LEGRESY, JEAN-MARC / RAYNAUD, GUY-MICHEL	
Title	PROCEDE DE FABRICATION D'UNE FEUILLE MINCE APTE A LA CONFECTION D'ELEMENTS CONSTITUTIFS DE BOITES	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-4 * MN : 0-1,6 * AL : REST * CU : 0-0,4 + CR : 0-0,2 * SI : 0-0,3 * FE : 0-0,5	
Keywords	(english)	(german)
	ELASTIC	ELASTISCH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
92	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9426939 A	24.11.1994
Priority	US63	18.05.1993
Application	WO17051994US94/05614	
Applicant	ALUMINUM CO. OF AMERICA	
Inventor	NICOL, JEFFREY / HUNTER, DANIEL / YU, HO	
Title	A METHOD OF HEAT TREATING METAL WITH LIQUID COOLANT CONTAINING DISSOLVED GAS	
Info		
IPC	C21D00156	
Composition nr.	2	Composite component -

Composition	[weight-%]: MG : CU : 0-10 * ZN : 0-12 * BE : 0-5 * LI : 0-3 * MN : 0-2 * FE : 0-2 * SI : 0-15 * VERUN : 0-2 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	USE	VERWENDUNG
93	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR2703072 A	30.09.1994
Priority	FR9304016	26.03.1993
Application	FR260319939304016	
Applicant	PECHINEY RENALU	
Inventor	BLANCHE, CLAUDE / RAYNAUD, GUY-MICHEL / GRANGE, BERNARD	
Title	TOLES OU BANDES EN ALLIAGES D'AL (SERIE 5000) A FAIBLE ANISOTROPIE MECANIQUE ET LEUR PROCEDE D'OBTENTION	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6,666 * FE : 0-0,4 * MN : 0-0,98 * SI : 0-0,3 * VERUN : 0-0,148 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
94	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US5336341 C	09.08.1994
Priority	JP228971	30.08.1990
Application	US30081991753098	
Applicant	FUJIKURA LTD.; SKY ALUMINIUM CO., LTD.	
Inventor	MAEJIMA, MASATSUGU/ SARUWATARI, KOICHI/ KUROSAKA, AKIHITO UND MITERFINDER	
Title	INFRARED RADIATION ELEMENT AND PROCESS OF PRODUCING THE SAME	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0-0,5 * MN : 0,3-4,3 * MG : 0-6 * SI : 0-2 * CR : 0-0,3 * ZR : 0-0,3 * V : 0-0,3 * NI : 0-1 * CU : 0-1 * ZN : 0-1 * TI : 0-0,15 * B : 0-0,01 * BE : 0-0,05 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
95	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE4301989 A	28.07.1994
Priority	DE4301989	26.01.1993
Application	DE26011993P4301989.7	
Applicant	MARKUS BOENHOFF	
Inventor	BOENHOFF, MARKUS	
Title	BEFESTIGUNGSTEIL FUER ZAHNMEDIZINISCHE ZWECKE, INSbesondere BRACKET	
Info		
IPC	A61C00714	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-5 * SI : 0-1 * MN : 0-1 * O : 0-8 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	DENTAL	DENTAL
	SURFACE	OBERFLÄCHE
96	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP06017194 A	25.01.1994
Priority	JP134768	27.05.1992
Application	JP270519924-134768	
Applicant	NIPPON STEEL CORP	
Inventor	HAYASHIDA, TERUKI	
Title	COMPOSITE METALLIC SHEET EXCELLENT IN WORKABILITY AND JOINING STRENGTH	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component b
Composition	Component a [weight-%]: C : 0,0005-0,01 * SI : 0-0,1 * MN : 0,04-0,5 * P : 0-0,1 * AL : 0,002-0,1 * N : 0-0,005 * TI : 0,0015-0,15 * NB : 0-0,33 * FE : REST Component b [weight-%]: MG : 0-6 * MN : 0-2 * SI : 0-0,5 * CR : 0-0,5 + ZR : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	LAMINATE	LAMINAT
	TENSILE-STRENGTH	ZUGFEST

97	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP576171 A	29.12.1993
Priority	US902936	23.06.1992
Application	EP0706199393304426.5	
Applicant	KAISER ALUMINUM & CHEMICAL CORP.	
Inventor	WYATT-MAIR, GAVIN/ HARRINGTON, DONALD	
Title	A MEHTOD OF MANUFACTURING CAN BODY SHEET	
Info	LEG AA 3004, AA3104, AA5017	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0-0,6 * FE : 0-0,8 * CU : 0-0,6 * MN : 0,2-1,5 * MG : 0,8-4 * ZN : 0-0,25 * CR : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
98	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE4318193 A	09.12.1993
Priority	JP172076	05.06.1992
Application	DE01061993P4318193.7	
Applicant	TOKAI CARBON CO., LTD.	
Inventor	AKIYAMA, MASARU/ FUKAZAWA, MINORU	
Title	VERBUNDMATERIAL UND VERFAHREN ZU DESSEN HERSTELLUNG	
Info		
IPC	C22C00110	
Composition nr.	1	Composite component b
Composition	Composite material [volume-%]: MATRIX : 60-95 * EINLAGERUNG : 5-40 Component a [volume-%]: GRAPHIT : 100 Component b [weight-%]: CU + MG + MN + NI + SI + ZN : 0,2-13 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PISTON	KOLBEN
	POROUS	PORÖS
	TENSILE-STRENGTH	ZUGFEST
	THERMAL	THERMISCH
	TOUGH	ZÄH

99	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP05247611 A	24.09.1993
Priority	JP82936	06.03.1992
Application	JP060319924-82936	
Applicant	SUMITOMO LIGHT METAL IND LTD.	
Inventor	TANAKA, HIROKI	
Title	PRODUCTION OF AL-MG ALLOY SHEET EXCELLENT IN PITTING CORROSION RESISTANCE	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * MN : 0,2-1 + CR : 0,05-0,4 * FE : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
100	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	SU1838441 C	30.08.1993
Priority	US49171	13.05.1987
Application	SU120519884355650/02	
Applicant	LANXIDE TECHNOLOGY CO. US	
Inventor	WHITE, D.R./ AGHAJANIAN, M.K./ URQUHART, A.W. UND MITERFINDER	
Title	GEMISCH ZUR HERSTELLUNG VON VERBUNDMATERIAL MIT METALLISCHER MATRIX AUF ALUMINIUMBASIS	
Info	AL.N-BILDUNG * KORNGROESSE	
IPC	C22C00108	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: MG : 1-10 * FE + SI + CU + MN + CR : 1-20 * AL ; REST Component b [%]: AL.O + SIC + ZR.O + Ti.B + AL.N + C : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	COMPOSITE-MATERIAL	VERBUNDW
101	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP05214475 A	24.08.1993
Priority	JP56208	23.01.1991

Application	JP230119913-56208	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	CLAD ALUMINUM ALLOY MATERIAL FOR LOW TEMPERATURE BRAZING HAVING HIGH STRENGTH AND HIGH CORROSION RESISTANCE	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1,5-3,5 * CR : 0,01-0,35 + MN : 0,01-1,8 + ZR : 0,01-0,35 + HF : 0,03-0,5 + V : 0,03-0,35 + NI : 0,03-3,5 + FE : 0,02-1,5 + TI : 0,005-0,35 * CU : 0-0,5 * AL : REST * SI : 0-2,5	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
102	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US5217816 C	08.06.1993
Priority	US754334	04.09.1991
Application	US04091991754334	
Applicant	MARTIN MARIETTA CORP.	
Inventor	BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS	
Title	METAL-CERAMIC COMPOSITES	
Info	MATRIX Z.B. 7075 AL-LEG	
IPC	C22C02900	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 20-90 * KERAMIK : 0-80 Component a [volume-%]: AL + GA + NI + TI + CU + V + CR + MN + CO + SI + GE + AG + AU + PT + PD + RH + RU + MG + PB + ZN + SN : 100 Component b [volume-%]: TI.B + ZR.B + V.B + MO.B + TI.C + W.C + V.C + ZR.SI + MO.SI : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	DISPERSION-HARDENING	DISPERSIONSH
	ELASTIC	ELASTISCH
	HIGH-TEMPER-STRENGTH	WARMFEST
	TURBINE	TURBINE
	WEAR/TEAR	VERSCHLEISS
103	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP529993 A	03.03.1993

Priority	JP235557	22.08.1991
Application	EP2408199292307717.6	
Applicant	TOYO ALUMINIUM KABUSHIKI KAISHA	
Inventor	KUSUI, JUN/ NAGASE, FUMIAKI/ TANAK, AKIEI UND MITERFINDER	
Title	ALUMINUM MATRIX COMPOSITE POWDER	
Info		
IPC	C22C00110	
Composition nr.	2	Composite component a
Composition	Composite material [weight-%]: BINDEMETALL : 60-99 * EINLAGERUNG : 1-40 Component a [weight-%]: SI : 1-50 + CU : 0,5-10 + MG : 0,5-10 * FE + NI + MN + CR + V + TI + MO + NB + ZR + Y : 0-15 * AL : REST/1AL.O + SLO + SILIKAT + SLC + TL.C + TL.B + SL.N : 100	
Keywords	(english)	(german)
	HEAT-RESISTANT	HITZEBEST
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
	WEAR/TEAR	VERSCHLEISS
104	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP05025572 A	02.02.1993
Priority	JP204737	19.07.1991
Application	JP190719913-204737	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	CORROSION RESISTING ALUMINUM ALLOY CLAD MATERIAL FOR HIGH TEMPERATURE FORMING	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: ZN : 0,1-2,5 * FE : 0-1 * SI : 0-1 * MG + CU + CR + MN + ZR + NI : 0-2,22 * AL : REST Component b [weight-%]: MG : 0,5-7,5 * CR + MN + ZR + TI + FE + NI + CU + ZN : 0-2,22 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HIGH-TEMPER-STRENGTH	WARMFEST
	TENSILE-STRENGTH	ZUGFEST

105	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP05025573 A	02.02.1993
Priority	JP204738	19.07.1991
Application	JP190719913-204738	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	HIGH STRENGTH ALUMINUM ALLOY CLAD MATERIAL FOR HIGH TEMPERATURE FORMING	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MN : 0,1-2,5 * FE : 0-1 * SI : 0-1 * MG + CU + CR + ZR + NI : 0-2,22 * AL : REST Component b [weight-%]: MG : 0,5-7,5 * CR + MN + ZR + TI + FE + NI + CU + ZN : 0-2,22 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HIGH-TEMPER-STRENGTH	WARMFEST
	TENSILE-STRENGTH	ZUGFEST
106	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP05025574 A	02.02.1993
Priority	JP206537	22.07.1991
Application	JP220719913-206537	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	HIGH STRENGTH ALUMINUM ALLOY CLAD MATERIAL FOR HIGH TEMPERATURE FORMING	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MG : 0,1-2 * FE : 0-1 * SI : 0-1 * CU + ZN + CR + MN + ZR + NI : 0-2,22 * AL : REST Component b [weight-%]: MG : 2-7,5 * CR + MN + ZR + TI + FE + NI + CU + ZN : 0-2,22 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW

	HIGH-TEMPER-STRENGTH	WARMFEST
	TENSILE-STRENGTH	ZUGFEST
107	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP04365831 A	17.12.1992
Priority	JP162242	06.06.1991
Application	JP060619913-162242	
Applicant	KOBE STEEL LTD.	
Inventor	KOGA, SHOSHI	
Title	ALUMINUM ALLOY FOR DC BUTT WELDING AND WELDING METHOD THEREOF	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[%]: MG : 2-7 * MN : 0-1 + CR : 0-0,3 + ZR : 0-0,3 + TI : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	WELDABLE	SCHWEISSBAR
108	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP04327341 A	16.11.1992
Priority	JP121812	25.04.1991
Application	JP250419913-121812	
Applicant	SUMITOMO LIGHT METAL IND LTD.	
Inventor	HAYASHI, NORIFUMI	
Title	PRODUCTION OF ALUMINUM ALLOY MATERIAL FOR PLANOGRAPHIC PRINTING PLATE	
Info		
IPC	B22D01101	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 0-0,25 * MN : 0-1 * TI : 0-0,1 * FE : 0,1-1 * MG : 2-6 * AL : REST	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
109	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP507411 A	07.10.1992
Priority	NL9100565	02.04.1991

Application	EP0104199292200925.3	
Applicant	HOOGOVENS ALUMINIUM N.V.	
Inventor	NEUTJENS, PAUL	
Title	ALUMINIUM SHEET AND METHOD FOR ITS MANUFACTURE	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,8-5,6 * SI : 0-0,4 * FE + NI + CO : 0-0,75 * CU : 0-0,2 * MN : 0-1 * CR : 0-0,35 * ZN : 0-0,25 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
110	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP506100 A	30.09.1992
Priority	JP89317	29.03.1991
Application	EP2703199292105333.6	
Applicant	SUMITOMO LIGHT METAL INDUSTRIES LTD.	
Inventor	TANAKA, HIROKI/ TSUCHIDA, SHIN	
Title	METHOD OF PRODUCING HARDENED ALUMINUM ALLOY SHEETS HAVING SUPERIOR THERMAL STABILITY	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * MN : 0,4-0,8 * AL : REST * CU : 0-0,4 * SI : 0-0,5 * FE : 0-0,5 * TI : 0-0,05 * B : 0-0,001	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
111	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP04259346 A	14.09.1992
	JP41195	13.02.1991

Priority		
Application	JP130219913-41195	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	ALUMINUM ALLOY SHEET HAVING HIGH FORMABILITA AND HIGH CORROSION RESISTANCE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,5-7,5 * CR : 0,03-0,55 + MN : 0,03-2,5 + ZR : 0,03-0,25 + TI : 0,005-0,35 + FE : 0,03-0,5 + NI : 0,03-1,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	USE	VERWENDUNG
112	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP04247840 A	03.09.1992
Priority	JP25397	25.01.1991
Application	JP250119913-25397	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	HIGH STRENGTH ALUMINUM ALLOY CLAD MATERIAL FOR LOW TEMPERATURE BRAZING	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-7,5 * CR : 0,01-0,35 + MN : 0,01-1,8 + ZR : 0,01-0,35 + HF : 0,03-0,5 + V : 0,03-0,35 + NI : 0,03-3,5 + FE : 0,02-1,5 + TI : 0,005-0,35 * CU : 0,03-3,5 + SI : 0,03-2,5 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
113	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP04202748 A	23.07.1992
Priority	JP336506	30.11.1990
Application	JP301119902-336506	
Applicant	SKY ALUM CO., LTD.	

Inventor	TERUDA, SHINJI	
Title	MANUFACTURE OF ALUMINUM ALLOY SHEET FOR FORMING	
Info		
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-6 * SI : 0,01-0,08 * MN * FE : 0,2-1 * CU + ZN + CR : 0-2,22 * AL : REST	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
114	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP484014 A	06.05.1992
Priority	US609322	02.11.1990
Application	EP1810199191309628.5	
Applicant	THE DOW CHEMICAL CO.	
Inventor	PYZIK, ALEKSANDER	
Title	BORON CARBIDE-REACTIVE METAL CERMETS HAVING MICROSTRUCTURE TAILORED BY POST-DENSIFICATION HEAT TREATMENT	
Info		
IPC	C22C00105	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 2-12 * KERAMIK : 88-98 Component a [volume-%]: AL + AS + BA + BE + CA + CO + CR + FE + HF + IR + LA + LI + MG + MN + MO + NA + NB + NI + OS + PD + PT + PU + RE + RH + RU + SC + SI + SR + TA + TC + TH + TI + U + V + W + Y + ZR : 100 Component b [volume-%]: B.C : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	NUCLEAR-ENERGY	KERNENERGIE
	TENSILE-STRENGTH	ZUGFEST
	THERMOSHOCK	THERMOSCHOCK
	TOOL	WERKZEUG
	TOUGH	ZÄH
	WEAR/TEAR	VERSCHLEISS
115	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB2248629 A	15.04.1992

Priority	JP2251295	20.09.1990
Application	GB200919919120163.2	
Applicant	DAIDO METAL CO., LTD.	
Inventor	SATO, YOSHIAKI/ TANAKA, TADASHI/ SAKAMOTO, MASAAKI UND MITERFINDER	
Title	SLIDING MATERIAL	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component a
Composition	Composite material [weight-%]: MATRIX : 70-99,5 * EINLAGERUNG : 0,5-30 Component a [weight-%]: SI + CU + MG + NI + ZN + MN + SN + PB + BI + PB.F + GRAPHIT : 0-20 * AL : REST Component b [weight-%]: B.N + Si.N + Al.N + Ti.N + Si.C + B.C + W.C + Ti.C + Fe.P + Ni.P + Ni.B : 100	
Keywords	(english)	(german)
	BEARING	LAGER
	COMPOSITE-MATERIAL	VERBUNDW
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	SLIDEABLE	GLEITFÄHIG
	WEAR/TEAR	VERSCHLEISS
116	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP04107237 A	08.04.1992
Priority	JP223869	25.08.1990
Application	JP250819902-223869	
Applicant	KOBE STEEL LTD.	
Inventor	KANEDA, YUTAKA	
Title	AL ALLOY SHEET FOR CAN END EXCELLENT IN CORROSION RESISTANCE AND ITS MANUFACTURE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-4 * MN : 0,5-1,2 * FE : 0-0,33 * CU : 0-0,6 + CR : 0-0,3 + ZN : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
117		

	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP04088143 A	23.03.1992
Priority	JP204523	01.08.1990
Application	JP010819902-204523	
Applicant	SKY ALUM CO., LTD.	
Inventor	GUNJI, HIROYOSHI	
Title	FLEXIBLE ALUMINUM BASE PRINTING CIRCUIT BOARD	
Info	MANTEL:AL- ODER CU-FOLIE	
IPC	C22C02100	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: AL & CU : 100 Component b [weight-%]: MN : 0,3-4 * MG : 0,1-5 * CU : 0-3 + ZN : 0-3 * CR : 0-0,3 + ZR : 0-0,3 + V : 0-0,3 + NI : 0-5,7 * AL : REST	
Keywords	(english) COMPOSITE-MATERIAL HEAT-RESISTANT	(german) VERBUNDW HITZEBEST
118	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP03236951 A	22.10.1991
Priority	JP32750	14.02.1990
Application	JP140219902-32750	
Applicant	SKY ALUM CO., LTD.	
Inventor	ABE, YUJI	
Title	VIBRATION-DAMPING COMPOSITE ALUMINUM MATERIAL FOR HOT MOLDING, ITS MOLDED PRODUCT AND PRESS MOLDING METHOD	
Info	EINE HARZSCHICHT IST ZWISCHEN ZWEI AL-LEG-SCHICHTEN EINGELAGERT	
IPC	B32B01501	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: MG : 2-6 + BE.O : 0,001-0,01 + MN : 0-2 + CR : 0-0,5 + ZR : 0-0,5 + V : 0-0,5 + CU : 0-2 + ZN : 0-2,5 * AL : REST Component b [weight-%]: ORGANISCH : 100	
Keywords	(english) COMPOSITE-MATERIAL DAMPING TENSILE-STRENGTH	(german) VERBUNDW DÄMPFEND ZUGFEST
119	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)

Publication	JP03223436 A	02.10.1991
Priority	JP18250	29.01.1990
Application	JP290119902-18250	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	ALUMINUM ALLOY HIGH DAMPING MATERIAL AND ITS MANUFACTURE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-11 * MN : 0,01-2,5 + CU : 0,01-1 + CR : 0,01-2 + ZR : 0,01-0,4 + TI : 0,005-1 + B : 0,01-2 * AL : REST	
Keywords	(english)	(german)
	DAMPING	DÄMPFEND
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
120	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP03219038 A	26.09.1991
Priority	JP11716	23.01.1990
Application	JP230119902-11716	
Applicant	SKY ALUM CO., LTD.	
Inventor	MURAMATSU, TOSHIKI	
Title	PLATE MATERIAL FOR ELECTRICAL CONDUCTING PARTS OF ELECTRONIC AND ELECTRICAL EQUIPMENT	
Info	BEIDE SEITEN DER KERNSCHICHT WERDEN PLATTIERT	
IPC	C22C02106	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MG : 0,5-5 * MN : 0,1-1,5 * AL : REST Component b [weight-%]: CU : 0,5-5 * MG : 0,2-2 * MN : 0-1 + CR : 0-0,3 + V : 0-0,3 + NI : 0-5,7 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	TENSILE-STRENGTH	ZUGFEST

121	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP03219038 A	26.09.1991
Priority	JP11716	23.01.1990
Application	JP230119902-11716	
Applicant	SKY ALUM CO., LTD.	
Inventor	MURAMATSU, TOSHIKI	
Title	PLATE MATERIAL FOR ELECTRICAL CONDUCTING PARTS OF ELECTRONIC AND ELECTRICAL EQUIPMENT	
Info	BEIDE SEITEN DER KERNSCHICHT WERDEN PLATTIERT	
IPC	C22C02106	
Composition nr.	2	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MG : 0,5-5 * MN : 0,1-1,5 * AL : REST Component b [weight-%]: ZN : 2-7 * MG : 1-3,5 * CU : 0-2,5 + MN : 0-1 + CR : 0-0,3 + ZR : 0-0,3 + V : 0-0,3 + NI : 0-5,7 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	TENSILE-STRENGTH	ZUGFEST
122	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	WO9114293 A	19.09.1991
Priority	GB9005803	15.03.1990
Application	WO08031991GB91/00371	
Applicant	CHLORIDE SILENT POWER LIMITED	
Inventor	O'NEIL-BELL, CHRISTOPHER	
Title	SODIUM/SULPHUR CELL	
Info		
IPC	H01M00466	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,2-10 * MG : 0-4 * MN : 0-2 * VERUN : 0-2 * AL : REST	
Keywords	(english)	(german)
	ACCUMULATOR	AKKU
	COMPOSITE-MATERIAL	VERBUNDW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	USE	VERWENDUNG
123	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)

Publication	DE4037746 A	06.06.1991
Priority	JP307342	27.11.1989
Application	DE27111990P4037746.6	
Applicant	DAIDO METAL CO., LTD.	
Inventor	TANAKA, TADASHI/ SAKAMOTO, MASAAKI/ SATO, YOSHIAKI UND MITERFINDER	
Title	LAGER AUS EINER ALUMINIUMLEGIERUNG MIT EINER VERSTAERKTEN VERBINDUNGSZWISCHENSCHICHT	
Info	KERN:VERBINDUNGSZWISCHENSCHICHT ZWISCHEN LAGERSCHICHT AUF AL-BASIS* STUETZSCHICHT AUS STAHL	
IPC	F16C03312	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: SN : 0-20 * CU : 1-2 * SI : 0-4 * PB : 0-1 * ZN : 0-5 * MG : 0-0,5 * AL : REST Component b [weight-%]: MN + CU + ZN + SI + MG : 0,3-5 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	COMPOSITE-MATERIAL	VERBUNDW
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
124	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP03094040 A	18.04.1991
Priority	JP231181	06.09.1989
Application	JP0609198964-231181	
Applicant	KOBE STEEL LTD.	
Inventor	HATANAKA, KOICHI	
Title	ALUMINUM ALLOY COMPOSITE MATERIAL FOR CAN END HAVING BENDING PART	
Info		
IPC	C22C02112	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: VERUN : 0-0,5 * AL : REST Component b [weight-%]: MN : 0,2-1,5 * MG : 0,2-5 * CU : 0-1 + CR : 0-0,35 + SI : 0-0,6 + FE : 0-0,5 + ZN : 0-0,3 + TI : 0-0,3 + ZR : 0-0,15 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

125	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DD288822 C	11.04.1991
Priority	DD3342800	06.11.1989
Application	DD061119893342800	
Applicant	VEB FLACHGLASKOMBINAT TORGAU	
Inventor	SCHMIDT, UWE/ SCHICHT, HEINZ/ GOERMAR, GUENTHER UND MITERFINDER	
Title	VERFAHREN ZUR HERSTELLUNG VON SILBERHALTIGEN WAERMEDAEMSCHICHTSYSTEMEN AUF SILIKATISCHEN SUBSTRATEN	
Info	WAERMEDAEMSCHICHTSYSTEM:GLAS-SUBSTRAT*1.SCHICHT SN.O *2.SCHICHT AG* 3.SCHICHT AL-LEG*4.SCHICHT SN.O	
IPC	C03C01736	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: SN.O : 100 Component b [weight-%]: MG : 1-15 * MN : 0,5-2 * ZN : 0-1,5 * CR : 0-0,5 * AL : REST	
Keywords	(english) CLADDING-MATERIAL SURFACE THERMAL	(german) PLATTIERW OBERFLÄCHE THERMISCH
126	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DD288822 C	11.04.1991
Priority	DD334280	06.11.1989
Application	DD06111989334280	
Applicant	VEB FLACHGLASKOMBINAT TORGAU	
Inventor	SCHMIDT, UWE / SCHICHT, HEINZ / GOERMAR, GUENTHER UND MITERFINDER	
Title	VERFAHREN ZUR HERSTELLUNG VON SILBERHALTIGEN WAERMEDAEMSCHICHTSYSTEMEN AUF SILIKATISCHEN SUBSTRATEN	
Info	BEI DER AL-MG-MN-LEG KANN ZN*CR ENTHALTEN SEIN. ZWISCHENSCHICHT KANN AUCH:PD:0,1-1*TI:REST SEIN	
IPC	C03C01736	
Composition nr.	2	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: SN.O : 100 Component b [weight-%]: MG : 1-15 * MN : 0-2 * ZN : 0-1,5 * CR : 0-0,5 * AL : REST	
Keywords	(english) COMPOSITE-MATERIAL PRODUCTION SURFACE	(german) VERBUNDW HERSTELLUNG OBERFLÄCHE

127	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP02285046 A	22.11.1990
Priority	JP106790	26.04.1989
Application	JP2604198964-106790	
Applicant	SKA ALUM CO., LTD.	
Inventor	AZUMA, KENJI	
Title	ALUMINUM ALLOY ROLLED SHEET FOR SUPERPLASTIC WORKING AND ITS MANUFACTURE	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,5-3,8 * MN : 0,8-3,5 + CR : 0,1-0,5 + ZR : 0,1-0,4 + V : 0,1-0,4 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
	TENSILE-STRENGTH	ZUGFEST
128	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP02205651 A	15.08.1990
Priority	JP27029	06.02.1989
Application	JP0602198964-27029	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	KISHINO, KUNIHIKO	
Title	ALUMINUM ALLOY FOR MAGNETIC DISK BASE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-8 * SI : 0-0,1 * FE : 0-0,1 * GA : 0-0,015 * CU : 0-1 * ZN : 0-2 * MN : 0-1 * CR : 0-0,4 * ZR : 0-0,2 * TI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
129	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO9002824 A	22.03.1990

Priority	DK4903	02.09.1988
Application	WO01091989DK89/00204	
Applicant	FORSKNINGSCENTER RISO	
Inventor	HANSEN, NIELS/ JUUL, JENSEN, DORTE/ LILHOLT, HANS UND MITERFINDER	
Title	REINFORCED COMPOSITE MATERIAL	
Info	EINLAGERUNG AUS 0,1-10 VOL.-% PULVER UND -50 VOL.-% FASERN, AUCH STAHL-FASERN	
IPC	C22C00109	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 40-98,9 * EINLAGERUNG : 1,1-60 Component a [weight-%]: MG + MN + CU + ZN + LI + SI + FE + CO + NI + CR : 0-20 * AL : REST Component b [weight-%]: AL.O + S.I.C + S.I.N + T.I.C + ZR.C + W.C + NB.C + T.I.N + B.N + MG.O + S.I.O + ZR.O + FE.O + CU.O + Y.O + AL.N + GRAPHIT : 100	
Keywords	(english)	(german)
	COARSE-GRAINED	GROBKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
130	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP02073938 A	13.03.1990
Priority	JP226213	09.09.1988
Application	JP0909198863-226213	
Applicant	HONDA MOTOR CO., LTD.	
Inventor	KAWABE, TAKESHI	
Title	CORROSION-RESISTANT ALUMINUM ALLOY FOR HEAT EXCHANGER	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,5-4 * ZN : 0-0,03 * MN : 0,15-1,82 * FE : 0,05-0,15 * CU : 0-0,03 * SI : 0-0,15 * V : 0-0,05 * GA : 0-0,03 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRESSED	GEPRESST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

131	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP02073939 A	13.03.1990
Priority	JP226214	09.09.1988
Application	JP0909198863-226214	
Applicant	HONDA MOTOR CO., LTD.	
Inventor	KAWABE, TAKESHI	
Title	CORROSION-RESISTANT ALUMINUM ALLOY FOR HEAT EXCHANGER	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,5-3,7 * ZN : 0-0,03 * MN : 0,15-1,82 * FE : 0,05-0,15 * CU : 0-0,03 * SI : 0,25-1,85 * V : 0-0,05 * GA : 0-0,03 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
132	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4908078 C	13.03.1990
Priority	JP240713	09.10.1986
Application	US08101987207310	
Applicant	SKY ALUMINIUM CO., LTD.	
Inventor	MURAMATSU, TOSHIKI/ MATSUO, MAMORU/ TSUCHIDA, SHIGEO UND MITERFINDER	
Title	MATERIAL FOR CONDUCTIVE PARTS OF ELECTRONIC OR ELECTRIC DEVICES	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 0,3-4 * MG : 0,1-5 * CR : 0-0,3 * ZR : 0-0,3 * V : 0-0,3 * Ni : 0-5,7 * CU : 0-3 * ZN : 0-3 * AL : REST	
Keywords	(english)	(german)
	CREEP-RESIST/STABILITY	STANDFEST
	ELECTRIC	ELEKTRISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
133	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4891183 C	02.01.1990
Priority	US938181	03.12.1986

Application	US03121986938181	
Applicant	CHRYSLER MOTORS CORP.	
Inventor	CORWIN, JOHN	
Title	METHOD OF PREPARING ALLOY COMPOSITIONS	
Info		
IPC	C22C00102	
Composition nr.	1	Composite component -
Composition	[weight-%]: LI + NA + K + Y + LA + SELTERD + CA + MG + BA + BE + SR : 0,02-5 * NI + CR + MO + MN + SI + C + V + CO + N + TI + ZR + CU + PB + AL + W + NB : REST	
Keywords	(english)	(german)
	HEAT-RESISTANT	HITZEBEST
	PRODUCTION	HERSTELLUNG
134	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4891183 C	02.01.1990
Priority	US938181	03.12.1986
Application	US03121986938181	
Applicant	CHRYSLER MOTORS CORP.	
Inventor	CORWIN, JOHN	
Title	METHOD OF PREPARING ALLOY COMPOSITIONS	
Info		
IPC	C22C00102	
Composition nr.	2	Composite component -
Composition	[weight-%]: LI + NA + K + Y + LA + SELTERD + CA + MG + BA + BE + SR : 0,02-5 * CO + MO + MN + SI + C + V + CR + N + TI + ZR + CU + PB + AL + W + NB : REST	
Keywords	(english)	(german)
	HEAT-RESISTANT	HITZEBEST
	PRODUCTION	HERSTELLUNG
135	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO8910982 A	16.11.1989
Priority	US190547	05.05.1988
Application	WO28041989US89/01822	
Applicant	MARTIN MARIETTA CORP.	
Inventor	CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS/ BRUPBACHER, JOHN	
Title	ARC-MELTING PROCESS FOR FORMING METALLIC-SECOND PHASE COMPOSITES AND PRODUCT THEREOF	
Info		

IPC	C22C00102	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 60-99 * EINLAGERUNG : 1-40 Component a [weight-%]: AL + NI + CU + TI + CO + FE + PT + AU + AG + NB + TA + B + PB + ZN + MO + Y + HF + SN + W + LI + MG + BE + TH + SI + CR + V + ZR + MN + SC + LA + CE + ER + SELTERD : 100 Component b [weight-%]: TL.B + TLC + TL.N + HF.B + Tl.SI + ZR.B + TA.B + TA.C + TA.N + V.B + TA.SI + MO.SI + MO.B + MO.C + NB.N + NB.SI + CR.SI + ZR.SI : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
136	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP01279726 A	10.11.1989
Priority	JP107815	30.04.1988
Application	JP3004198863-107815	
Applicant	KOBE STEEL LTD.	
Inventor	ETO, TAKEHIKO	
Title	SUPERPLASTIC ALUMINUM ALLOY AND ITS PRODUCTION	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-5 * FE : 0,5-3 * MN : 0,05-1,5 + CR : 0,05-0,5 + ZR : 0,05-0,5 + V : 0,05-0,5 + TI : 0-0,15 * AL : REST	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
137	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP340957 A	08.11.1989
Priority	JP108165	30.04.1988
Application	EP2404198989304076.6	
Applicant	TOYOTA JIDOSHA K.K.	
Inventor	KUBO, MASAHIRO/ SUGANUMA, TETSUYA/ MORIKAWA, TAKASHI UND MITERFINDER	
Title	METHOD OF PRODUCING METAL BASED COMPOSITES MATERIAL UNDER PROMOTION OF MATRIX METAL INFILTRATION BY FINE PIECES OF THIRD MATERIAL	
Info	FASER IST:METALLPULVER*FASER	

IPC	C22C00109	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * FASER Component a [weight-%]: MG : 0-10 * CA : 0-0,3 + ZR : 0-0,3 * AL : REST Component b [weight-%]: AL.O + SLO + K.TLO + TLC + SLN + GRAPHIT + B.N + SLC + CR.C + NI + FE + CO + CR + MN + CU + AG + SI + MG + AL + ZN + SN + TI : 100	
Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	PRODUCTION	HERSTELLUNG
138	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP01247544 A	03.10.1989
Priority	JP75156	29.03.1988
Application	JP2903198863-75156	
Applicant	FURUKAWA ALUM CO., LTD.	
Inventor	SAKOTA, SHOICHI	
Title	ALUMINUM ALLOY PLATE FOR RING-PULL CAP	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,1-0,35 * FE : 0,2-0,5 * MN : 0,2-1,5 * MG : 0-5 * AL : REST	
Keywords	(english)	(german)
	SURFACE	OBERFLÄCHE
	TOUGH	ZÄH
139	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP330668 C	06.09.1989
Priority	US927032	05.11.1986
Application	EP1910198787907273.4	
Applicant	MARTIN MARIETTA CORP.	
Inventor	CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS/ BRUPBACHER, JOHN	
Title	PROCESS FOR FORMING METAL-SECOND PHASE COMPOSITES AND PRODUCT THEREOF	
Info		
IPC	C04B03565	
Composition nr.	1	Composite component a
Composition	Composite material [weight-%]: MATRIX : 10-80 * EINLAGERUNG : 20-90 Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + PT + NB + AG + AU + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100	

	Component b [weight-%]: Ti.B + Ti.C + ZR.B + ZR.SI + Ti.N : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	DISPERSION-HARDENING	DISPERSIONSH
	PRODUCTION	HERSTELLUNG
	TOOL	WERKZEUG
	WEAR/TEAR	VERSCHLEISS
140	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO8907661 A	24.08.1989
Priority	US156682	17.02.1988
Application	WO08021989US89/00493	
Applicant	MARTIN MARIETTA CORP.	
Inventor	BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS	
Title	COMPLEX CERAMIC WHISKER FORMATION IN METAL-CERAMIC COMPOSITES	
Info		
IPC	C22C00110	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 20-95 * WHISKER : 5-80 Component a [weight-%]: AL + Ti + Ni + Cu + Co + FE + Nb + Ta + B + Zn + Mo + Y + HF + Sn + W + Li + Be + Ag + Pt + Au + MG + Bi + SB + Th + Sc + La + SELTERD + SI + Cr + V + Zr + MN : 100 Component b [weight-%]: Ti.NB.B + Ti.TA.B + Ti.HF.B + Ti.V.B + NB.HF.B + Ti.NB.MO.B + Ti.NB.C + Ti.V.C + Ti.ZR.C + Ti.HF.C + Ti.TA.C : 100	
Keywords	(english)	(german)
	CREEP-RESIST/STABILITY	STANDFEST
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
141	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4847048 C	11.07.1989
Priority	JP171169	21.07.1986
Application	US2107198776435	
Applicant	RYOBI LTD.	
Inventor	NISHI, NAOMI/ KAMI, SHIGETAKE/ YAMAGUCHI, TAKASHI	
Title	ALUMINUM DIE-CASTING ALLOYS	
Info	NI*MN:>0,5	

IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-8 * NI : 0-7 * MN : 0-3 * SI : 0-1 * CU : 0-1 * FE : 0-0.5 * TI : 0-0.3 * ZN : 0-0,3 * B : 0-0,1 * ZR : 0-0,3 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	TOUGH	ZÄH
	WEAR/TEAR	VERSCHLEISS
142	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4836982 C	06.06.1989
Priority	US873889	13.06.1986
Application	US13061986873889	
Applicant	MARTIN MARIETTA CORP.	
Inventor	BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS	
Title	RAPID SOLIDIFICATION OF METAL-SECOND PHASE COMPOSITES	
Info		
IPC	C22C00100	
Composition nr.	3	Composite component a
Composition	Composite material [volume-%]: MATRIX : 70-99,9 * EINLAGERUNG : 0,1-30 Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + PT + RU + NB + TA + ZR + MG + PB + ZN + SN + HF + W + SB + BI : 100 Component b [weight-%]: TLB + ZR.B + ZR.SI + TLO + TLN + TLC + TL.AL + TLSI : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	ELASTIC	ELASTISCH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	WEAR/TEAR	VERSCHLEISS
143	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP01083631 A	29.03.1989
Priority	JP240304	25.09.1987
Application	JP2509198762-240304	
Applicant	SUMITOMO ELECTRIC IND LTD.	

Inventor	KOTANI, YUSUKE	
Title	MANUFACTURE OF ALUMINUM POWDER METALLURGICAL ALLOY FOR FORGING	
Info	TO MANUFACTURE AN AL POWDER METALLURGICAL ALLOY EXCELLENT IN FORGEABILITY, BY SUBJECTING A POWDER WITH A SPECIFIC GRAIN SIZE CONSISTING OF AN AL ALLOY CONTAINING SPECIFIC AMOUNTS OF ONE OR MORE ELEMENTS AMOG CU, MG, MN, ZN, ZR, AND LI TO SOLIDIFICATION AND FORMING AT A SPECIFIC TEMP.	
IPC	C22C00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: CU : 0-10 + MG : 0-8 + MN : 0-3 + ZN : 0-13 + ZR : 0-3 + LI : 0-2 * AL : REST	
Keywords	(english)	(german)
	COARSE-GRAINED	GROBKÖRNIG
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
144	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP01068440 A	14.03.1989
Priority	JP225077	07.09.1987
Application	JP0709198762-225077	
Applicant	RYOBI LTD.	
Inventor	JIN, SHIGETAKI	
Title	CORROSION-RESISTANT ALUMINUM ALLOY	
Info	TO OBTAIN THE TITLED ALUMINUM ALLOY HAVING EXCELLENT CASTABILITY, STRENGTH, CORROSION RESISTANCE AND TOUGHNESS BY SPECIFYING THE COMPSN. CONSISTING OF MG, MN, SI AND AL AND SUPPRESSING THE CONTENTS OF NEVITABLE IMPURITIES	
IPC	C22C02108	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 4-6,5 * MN : 1-2,5 * SI : 0,3-1,5 * TI : 0-0,3 + B : 0-0,1 + ZR : 0-0,3 * AL : REST * FE : 0-0,5 * CU : 0-0,1 * NI : 0-0,1 * ZN : 0-0,3	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
145	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP298876 A	11.01.1989
Priority	FR8709271	24.06.1987
Application	2206881988420215	
Applicant	CEGEDUR SOCIETE DE TRANSFORMATION DE L'ALUMINIUM PECHINEY	

Inventor	TEIRLINCK, DIDIER	
Title	TOLES EN ALLIAGES D'ALUMINIUM CONTENANT DU MAGNESEIUM APTES A LA FABRICATION PAR EMBOUTISSAGE-ETIRAGE DE CORPS DE BOITES ET PROCEDE D'OBTENTION DESDITES TOLES	
Info		
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,1-5 * MN : 0-2 + SI : 0-1,5 * CU : 0-0,5 + ZN : 0-0,5 + CR : 0-0,5 + FE : 0-0,7 * B : 0-0,1 * TI : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
146	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP63293144 A	30.11.1988
Priority	JP127685	25.05.1987
Application	JP2505198762-127685	
Applicant	KOBE STEEL LTD.	
Inventor	INABA, TAKASHI	
Title	HIGH-STRENGTH HIGH-MOLDABILITY HARD ALUMINUM ALLOY SHEET AND ITS PRODUCTION	
Info	TO PROVIDE A HARD AL ALLOY SHEET WITH WHICH DEGRADATION IN MOLDABILITY CAN BE PREVENTED WHILE THE SMALLER THICKNESS, THE HIGHER STRENGTH AND THE HIGHER SPEED MOLDABILITY ARE PROVIDED THERETO BY INCORPORATING MG AND MN RESPECTVELY AT PRESCRIBED RATIOS INTO THE SHEET AND SPECIFYING THE REGION COATED WITH SUBGRAINS TO A PRESCRIBED AREA RATE OR ABOVE	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-5,5 * MN : 0,1-1 * AL : REST	
Keywords	(english)	(german)
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
147	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP291441 A	17.11.1988
Priority	US49171	13.05.1987
Application	EP100519888630090.4	

Applicant	LANXIDE TECHNOLOGY CO., LP.	
Inventor	WHITE, DANNY/ AGHAJANIAN, MICHAEL/ URQUHART, ANDREW UND MITERFINDER	
Title	METAL MATRIX COMPOSITES	
Info	AL.N KANN EINE OBERFLAECHENSCHICHT BILDEN	
IPC	C22C00109	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * KERAMIK Component a [weight-%]: MG : 0-5 + FE + SI + CU + MN + CR : 0-15 * AL : REST Component b [weight-%]: AL.O + SLC + ZR.O + TL.B + TLC + AL.N + C + SL.N + ZR.N + MG.O + TL.O + HF.O + AL.B : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
148	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4772452 C	20.09.1988
Priority	US33710	03.04.1987
Application	US0304198733710	
Applicant	MARTIN MARIETTA CORP.	
Inventor	BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS	
Title	PROCESS FOR FORMING METAL-SECOND PHASE COMPOSITES UTILIZING COMPOUND STARTING MATERIALS	
Info		
IPC	C22C00104	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 10-90 * EINLAGERUNG : 10-90 Component a [weight-%]: AL + CU + FE + NI + TI + V + CR + MN + CO + SI + MO + BE + AG + AU + PT + NB + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100 Component b [weight-%]: TI.B + ZR.B + ZR.SI + TI.O + TLC + TI.N : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
149	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4766040 C	23.08.1988
Priority	US66478	26.06.1987
Application	US2606198766478	

Applicant	SANDVIK AKTIEBOLAG	
Inventor	HILLERT, LARS/ WALDENSTROEM, MATS	
Title	TEMPERATURE RESISTANT ABRASIVE POLYCRYSTALLINE DIAMOND BODIES	
Info		
IPC	C22C02600	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: BINDEMETALL : 1-40 * EINLAGERUNG : 60-99 Component a [weight-%]: CO + NI + FE + MN + SI + AL + MG + CU + SN : 100 Component b [weight-%]: DIAMANT + B.C + Ti.B + SLC + ZR.C + Ti.N + ZR.B + ZR.N + Ti.C + TA.C + NB.C + CR.C + AL.N + SL.N + AL.B : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-RESISTANT	HITZEBEST
	HIGH-TEMPER-STRENGTH	WARMFEST
	TENSILE-STRENGTH	ZUGFEST
	TOOL	WERKZEUG
	WEAR/TEAR	VERSCHLEISS
150	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63179036 A	23.07.1988
Priority	JP10236	20.01.1987
Application	JP2001198762-10236	
Applicant	SHOWA ALUM CORP.	
Inventor	TSUKUDA, ICHIZO	
Title	ALUMINUM ALLOY FOR CYLINDER HAVING EXCELLENT SURFACE SMOOTHNESS	
Info	MN < 1*FE < 1*TO PROVIDE AN ALLOY WHICH PERMITS AN AL CYLINDER HAVING HIGH SURFACE SMOOTHNESS BY IRONING AND DRAWING WORKING BY INCORPORATING SPECIFIC RATIOS OF MN AND FE INTO AL	
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN * FE : 0,2-1,6 * AL : REST * CR : 0-0,2 + ZR : 0-0,5 + TI : 0-0,2 + B : 0-0,1 + CU : 0-7 + MG : 0-7 + ZN : 0-8 + NI : 0-0,5 + SI : 0-0,5	
Keywords	(english)	(german)
	USE	VERWENDUNG
151	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63179037 A	23.07.1988
	JP10237	20.01.1987

Priority		
Application	JP2001198762-10237	
Applicant	SHOWA ALUM CORP.	
Inventor	TSUKUDA, ICHIZO	
Title	ALUMINUM ALLOY FOR CYLINDER HAVING EXCELLENT SURFACE SMOOTHNESS	
Info	TO PROVIDE AN ALLOY WHICH PERMITS AN AL CYLINDER HAVING HIGH SURFACE SMOOTHNESS BY IRONING AND DRAWING WORKING BY INCORPORATING A SPECIFIC RATIO OF FE INTO AL	
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,3-5 * AL : REST * MN : 0-1,5 * CR : 0-1 + ZR : 0-0,5 + TI : 0-0,5 + B : 0-0,1 + CU : 0-7 + MG : 0-7 + ZN : 0-8 + SI : 0-0,5 + NI : 0-0,5	
Keywords	(english)	(german)
	USE	VERWENDUNG
152	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63223150 A	19.06.1988
Priority	JP57569	12.03.1987
Application	JP1203198762-57569	
Applicant	KOBE STEEL LTD.	
Inventor	FUJIMOTO, HIDEO	
Title	PRODUCTION OF AL SUBSTRATE FOR HIGH STRENGTH MAGNETIC DISK	
Info	TO PRODUCE THE TITLED AL SUBSTRATE HAVING EXCELLENT FLATNESS, BY SUBJECTING AN AL ALLOY CONTG. SPECIFIC RATIOS OF MG AND MN TO HOT ROLLING AND COLD ROLLING AT THE SPECIFIC WORKING RATIO, BLANKING THE DISK BLANK OF THE ALLOY AND SUBJECTIG THE SAME TO STRESS RELIEF ANNEALING AT A SPECIFIC TEMP.	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-6 * MN : 0,05-1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
153	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63145758 A	17.06.1988
Priority	JP281798	07.11.1987
Application	JP0711198762-281798	

Applicant	KOBE STEEL LTD.	
Inventor	USUI, HIDEYOSHI	
Title	PRODUCTION OF AL ALLOY SHEET FOR PACKAGING	
Info	TO PRODUCE AN AL ALLOY SHEET HAVING EXCELLENT DEEP DRAWING AND REDRAWING PROPERTIES, BY SUBJECTING AN INGOT OF THE AL ALLOY CONTG. MG, MN AND OTHER ALLOY ELEMENTS TO A SOAKING TREATMENT THEN TO HOT ROLLING AND INTERMEDIATE ANNEALING FOLLOWED BY FINISH COLD ROLLING AT A SPECIFIC REDUCTION RATIO	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-6 * MN : 0,1-2 * CR + FE : 0-0,4 * Ti : 0-0,2 + B : 0-0,03 * SI : 0-1 + CU : 0-2,5 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
154	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4751048 C	14.06.1988
Priority	US927032	05.11.1986
Application	US05111986927032	
Applicant	MARTIN MARIETTA CORP.	
Inventor	CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS/ BRUBACHER, JOHN	
Title	PROCESS FOR FORMING METAL-SECOND PHASE COMPOSITES AND PRODUCT THEREOF	
Info		
IPC	C22C00110	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + NI + Ti + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + PT + NB + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100 Component b [weight-%]: Ti.B + ZR.B + Ti.C + ZR.SI + Ti.N + MG.B + MO.SI + MO.B + W.C + CR.C + V.SI + V.C + V.B + S.I.C + MO.C + Ti.SI + ZR.C + W.SI + AL.O + MN.S + SELTERD.O + NB.N + TA.C : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	PRODUCTION	HERSTELLUNG
155	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP270119 A	08.06.1988

Priority	JP287727	04.12.1986
Application	EP0312198787117910.7	
Applicant	TAIYO YUDEN K.K.	
Inventor	KISHI, HIROSHI/ MURAI, SHUNJI/ CHAZONO, HIROKAZU UND MITERFINDER	
Title	SEMICONDUCTOR CERAMIC OF GRAIN BOUNDARY INSULATION TYPE	
Info		
IPC	C22C02912	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG + CA + SR + BA + NI + CU + ZN + PB + BI + TI + ZR + NB + TA + CR + MN + FE + CO + Y + LA + CE + PR + ND + SM + DY + SELTERD + AL + SI + W + SN + SB + LI + NA + K + NB.O + TLO + SN.O + ZN.O : 100	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	SEMI-CONDUCTING	HALBLEITEND
	SINTERED-PRODUCT	SINTERW
	SURFACE	OBERFLÄCHE
156	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63125646 A	28.05.1988
Priority	JP271225	14.11.1986
Application	JP1411198661-271225	
Applicant	KOBE STEEL LTD.	
Inventor	INABA, TAKASHI	
Title	PRODUCTION OF ALUMINUM ALLOY SHEET HAVING EXCELLENT CAN OPENABILITY	
Info	MN:0,5-0,9*TO PRODUCE AN AL ALLOY SHEET AS A CAP MATERIAL FOR BEVERAGE CANS HAVING EXCELLENT CAN OPENABILITY BY SUBJECTING AN INGOT OF AN AL ALLOY CONTG. SPECIFIC RATIOS OF MG, MN AND FE TO A HOMOGENIZATION HEAT TREATMENT, THEN O HOT ROLLING FOLLOWED BY AN ANNEALING TREATMENT AND COLD ROLLING, THEREBY WORKING THE INGOT TO A SHEET MATERIAL	
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5-5,5 * MN * FE : 0,7-1,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
157	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO8803573 A	19.05.1988

Priority	US927014	05.11.1986
Application	WO19101987US87/02681	
Applicant	MARTIN MARIETTA CORP.	
Inventor	MOSHIER, WILLIAM/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS UND MITERFINDER	
Title	ISOTHERMAL PROCESS FOR FORMING POROUS METAL-SECOND PHASE COMPOSITES AND POROUS PRODUCT THEREOF	
Info		
IPC	C22C00105	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 10-30 * EINLAGERUNG : 70-90 Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + W + SB + BI + PT + MG + PB + ZN + SN + NB + TA + HF + ZR : 100 Component b [weight-%]: TL.B + ZR.B + ZR.SI + ZR.C + TLC + TLN + AL + TH + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE + FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
158	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15;54h)
Publication	WO8803573 A	19.05.1988
Priority	US927014	05.11.1986
Application	WO19101987US87/02681	
Applicant	MARTIN MARIETTA CORP.	
Inventor	MOSHIER, WILLIAM/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS UND MITERFINDER	
Title	ISOTHERMAL PROCESS FOR FORMING POROUS METAL-SECOND PHASE COMPOSITES AND POROUS PRODUCT THEREOF	
Info		
IPC	C22C00105	
Composition nr.	1	Composite component b
Composition	Composite material [volume-%]: MATRIX : 10-30 * EINLAGERUNG : 70-90 Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + W + SB + BI + PT + MG + PB + ZN + SN + NB + TA + HF + ZR : 100 Component b [weight-%]: TL.B + ZR.B + ZR.SI + ZR.C + TLC + TLN + AL + TH + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE +	

	FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
159	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO8803574 A	19.05.1988
Priority	US927031	05.11.1986
Application	WO19101987US87/02680	
Applicant	MARTIN MARIETTA CORP.	
Inventor	NAGLE, DENNIS/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS	
Title	PROCESS FOR PRODUCING METAL-SECOND PHASE COMPOSITES AND PRODUCT	
Info	INTERNATIONAL APPLICATION NUMBER: PCT/US87/ 02680	
IPC	C22C03200	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + PT + NB + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100 Component b [weight-%]: AL + TI + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE + FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD + TL.B + ZR.B + TLC + ZR.C + ZR.SI + TL.N : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	FINE-GRAINED	FEINKÖRNIG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PRODUCTION	HERSTELLUNG
160	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	WO8803574 A	19.05.1988
Priority	US927031	05.11.1986
Application	WO19101987US87/02680	
Applicant	MARTIN MARIETTA CORP.	
Inventor	NAGLE, DENNIS/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS	
Title	PROCESS FOR PRODUCING METAL-SECOND PHASE COMPOSITES AND PRODUCT	

Info	INTERNATIONAL APPLICATION NUMBER: PCT/US87/ 02680	
IPC	C22C03200	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + PT + NB + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100 Component b [weight-%]: AL + TI + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE + FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD + TL.B + ZR.B + TL.C + ZR.C + ZR.SI + TL.N : 100	
Keywords	(english) COMPOSITE-MATERIAL DISPERSION-HARDENING FINE-GRAINED HIGH-TEMPER-STRENGTH PRODUCTION	
(german)	VERBUNDW DISPERSIONSH FEINKÖRNIG WARMFEST HERSTELLUNG	
161	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP260930 A	23.03.1988
Priority	GB8622458	18.09.1986
Application	EP1509198787308144	
Applicant	ALCAN INTERNATIONAL LTD.	
Inventor	DUBE, GHYSLAIN/ GARIEPY, BRUNO/ PARE, JEAN	
Title	METHOD OF ALLOYING ALUMINIUM	
Info	AA-1100*AA-3003*AA-3004B*AA-5052*AA-5182	
IPC	C22C00102	
Composition nr.	1	Composite component -
Composition	[weight-%]: CU : 0-0,16 * FE : 0-0,61 * MG : 0-4,5 * MN : 0-1,1 * SI : 0-0,22 * CR : 0-0,2 * NI : 0-2,22 * ZN : 0-2,22 * AL : REST	
Keywords	(english) PRODUCTION	
	(german) HERSTELLUNG	
162	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63065049 A	23.03.1988
Priority	JP208672	04.09.1986
Application	JP0409198661-208672	
Applicant	NGK SPARK PLUG CO., LTD.	
Inventor	YASUI, HAJIME	
Title	HIGH HARDNESS CERMET	
	TO OBTAIN HIGH HARDNESS CERMET HAVING SUPERIOR WEAR RESISTANCE AND	

Info	TOUGHNESS BY SPECIFYING A COMPSN. CONSISTING OF THE CARBIDE, NITRIDE OR CARBONITRIDE OF A TRANSITION METAL BELONGING TO THE GROUP IVA, VA, OR VIA, B4C AND AN IRON FAMILY METAL, AL, W, MN, CR OR THE LIKE	
IPC	C22C02902	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 1-30 * KERAMIK : 70-99 Component a [volume-%]: FE + CO + NI + AL + W + MN + CR + MG + TI + MO : 100 Component b [volume-%]: B.C : 7-59,4 * TLC + TL.N + TLC.N + ZR.C + ZR.N + ZR.C.N + HF.C + HF.N + HF.C.N + V.C + V.N + V.C.N + NB.C + NB.N + NB.C.N + TA.C + TA.N + TA.C.N + CR.C + CR.N + CR.C.N + MO.C + MO.N + MO.C.N + W.C + W.N + W.C.N : REST	
Keywords	(english)	(german)
	CERMET	CERMET
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TOOL	WERKZEUG
	TOUGH	ZÄH
	WEAR/TEAR	VERSCHLEISS
163	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP63062836 A	19.03.1988
Priority	JP207558	03.09.1986
Application	JP0309198661-207558	
Applicant	SKY ALUM CO., LTD.	
Inventor	MURAMATSU, TOSHIKI	
Title	ALUMINUM-ALLOY ROLLED SHEET COMBINING HIGH STRENGTH WITH HEAT RESISTANCE AND PRODUCTION THEREOF	
Info	TO MANUFACTURE, AT A LOW COST, AN AL-ALLOY ROLLED SHEET HAVING HIGH STRENGTH AND HEAT RESISTANCE IN WHICH FINE INTERMETALLIC COMPOUNDS ARE CRYSTALLIZED OUT, BY SUBJECTING A MOLTEN AL ALLOY HAVING A SPEIFIC COMPOSITION CONSISTING OF MG, MN, AND AL TO CONTINUOUS CASTING ROLLING TO PROPPER THICKNESS AND FURTHER TO COLD ROLLING	
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,1-5 * MN : 0,3-3 * AL : REST * ZR : 0-0,3	
Keywords	(english)	(german)
	HEAT-RESISTANT	HITZEBEST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
164	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)

Publication	EP259700 A	16.03.1988
Priority	JP212030	09.09.1986
Application	2608871987112409.5	
Applicant	SKY ALUMINIUM CO., LTD.	
Inventor	KOMATSUBARA, TOSHIO/ MURAMATSU, TOSHIKI/ MATSUO, MAMORU	
Title	PRODUCTION PROCESS FOR ALUMINIUM ALLOY ROLLED SHEET	
Info		
IPC	B60T00844	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-6 * MN : 0-2 + CR : 0-0,3 + ZR : 0-0,3 + V : 0-0,3 * CU : 0-2 + ZN : 0-2 * AL : REST * FE : 0-0,5 + SI : 0-0,5 * TI : 0-0,15 + B : 0-0,01	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
165	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP256963 C	24.02.1988
Priority	US896481	13.08.1986
Application	EP2807198787630133.4	
Applicant	LANXIDE TECHNOLOGY CO., LP.	
Inventor	NEWKIRK, MARC/ URQUART, ANDREW/ ZWICKER, HARRY	
Title	CERAMIC ARTICLES WITH A MODIFIED METAL-CONTAINING COMPONENT AND METHODS OF MAKING SAME	
Info	ALS MATRIX SI, TI, SN, ZR, HF EBENFALLS EEIGNET	
IPC	C23C01022	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [volume-%]: AL : 1-40 * AL.O : REST Component b [volume-%]: NI + FE + AG + TI + V + CU + U + CO + CR + MO + SI + W + GE + SN + MG + Y + ZR + HF + NB + MN + PT + PD + AU + ZN + AL + PB : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH

HARD	HART
PRODUCTION	HERSTELLUNG
THERMAL	THERMISCH
TOUGH	ZÄH
WEAR/TEAR	VERSCHLEISS
166	<i>Deutsches Patent- und Markenamt DPMA</i>
Publication	JP63035760 A
Priority	JP178524
Application	JP2907198661-178524
Applicant	KOBE STEEL LTD.
Inventor	HIRANO, MASAKAZU
Title	MANUFACTURE OF ALUMINUM MATERIAL EXCELLENT IN RESISTANCE TO HEAT AND WEAR
Info	TO MANUFACTURE AN AL MATERIAL EXCELLENT IN WEAR RESISTANCE AND HEAT RESISTANCE, BY LOCALLY IRRADIATING AN AL ALLOY INGOT HAVING A SPECIFIC COMPOSITION CONTAINING SI, NI, CU, MG, ETC., OR ITS INTERMEDIATE-STAGE PRODUCTS BY A HIGH ENERGY DENSITY BEAM
IPC	C22F00104
Composition nr.	1
Composition	[weight-%]: SI : 5-20 + NI : 0,5-5 + CU : 0,5-10 + MG : 1-20 + FE : 0,05-2 + MN : 0,05-2 + CR : 0,05-2 + ZR : 0,05-2 + TI : 0,05-2 + CO : 0,05-2 + MO : 0,05-2 + W : 0,05-2 * AL : REST
Keywords	(english)
	HEAT-RESISTANT
	PRODUCTION
	SURFACE
	WEAR/TEAR
167	<i>Deutsches Patent- und Markenamt DPMA</i>
Publication	EP253497 A
Priority	US873890
Application	EP1106198787305181.7
Applicant	MARTIN MARIETTA CORP.
Inventor	NAGLE, DENNIS/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS
Title	COMPOSITES HAVING AN INTERMETALLIC CONTAINING MATRIX
Info	
IPC	C22C00110
Composition nr.	1
	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: TI + TA + NB + NI + CO + CU + FE + PT + AU + AG + PB + ZN + MO +

Composition	SELTERRD + Y + SC + LA + HF + SN + W + LI + MG + BE + CR + V + ZR + MN + AL : 100 Component b [weight-%]: Ti + B + SI + C + S + MO + W + V + AL + ZR + NB + CO + N + O + NI + FE + MG + BE + MN + ZN + LI + Y + SELTERD + HF + TA + CR : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
168	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	EP253497 A	20.01.1988
Priority	US873890	13.06.1986
Application	EP1106198787305181.7	
Applicant	MARTIN MARIETTA CORP.	
Inventor	NAGLE, DENNIS/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS	
Title	COMPOSITES HAVING AN INTERMETALLIC CONTAINING MATRIX	
Info		
IPC	C22C00110	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: Ti + TA + NB + NI + CO + CU + FE + PT + AU + AG + PB + ZN + MO + SELTERD + Y + SC + LA + HF + SN + W + LI + MG + BE + CR + V + ZR + MN + AL : 100 Component b [weight-%]: Ti + B + SI + C + S + MO + W + V + AL + ZR + NB + CO + N + O + NI + FE + MG + BE + MN + ZN + LI + Y + SELTERD + HF + TA + CR : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
169	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP62287026 A	12.12.1987
Priority	JP129425	04.06.1986
Application	JP0406198661-129425	
Applicant	SHOWA DENKO K.K.	
Inventor	HIRANO, TADAO	
Title	MANUFACTURE OF ALUMINUM-ALLOY SINTERED AND FORGED PRODUCT	
Info	TO MANUFACTURE AN AL-ALLOY SINTERED AND FORGED PRODUCT OF >= 95 % TRUE DENSITY RATIO, BY REDUCING PREFORM DENSITY AND SIMULTANEOUSLY COMPENSATING THE DETERIORATION IN STRENGTH DUE TO THE REDUCTION IN PREFORM DENSITY BY THE ADDITION OF MG AND SI POWDERS IN COMPACTING AL-	

	ALLOY POWDER INTO PREFORMS	
IPC	C22C00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-12 + SI : 10-46 + FE : 1-15 + MN : 1-15 + NI : 1-15 * AL : REST	
Keywords	(english)	(german)
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
170	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4710348 C	01.12.1987
Priority	US943899	19.12.1986
Application	US19121986943899	
Applicant	MARTIN MARIETTA CORP.	
Inventor	BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS/ NAGLE, DENNIS	
Title	PROCESS FOR FORMING METAL-CERAMIC COMPOSITES	
Info		
IPC	C22C00100	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 5-99 * KERAMIK : 1-95 Component a [weight-%]: AL + GA + NI + TI + CU + V + CR + MN + CO + FE + SI + GE + AG + AU + PT + PD + RH + RU + MG + PB + ZN + SN : 100 Component b [weight-%]: AL + Ti + SI + B + C + S + GE + MO + W + V + ZR + CR + HF + TA + MG + NI + N + TH + NB + Y + SELTERD + LJ + AS + SB : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	DISPERSION-HARDENING	DISPERSIONSH
	ELASTIC	ELASTISCH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PRODUCTION	HERSTELLUNG
	TURBINE	TURBINE
	WEAR/TEAR	VERSCHLEISS
171	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	JP62230942 A	09.10.1987
Priority	JP75177	01.04.1986
Application	JP0104198661-75177	
Applicant	KOBE STEEL LTD.	

Inventor	AIURA, SUNAO	
Title	ALUMINUM ALLOY FOR AMORPHOUS SILICON PHOTOSENSITIVE DRUM EXCELLENT IN MIRROR FINISH CHARACTERISTIC	
Info	TO REDUCE SCRATCHES OCCURRING AT THE TIME OF PRECISION MACHINING, BY SPECIFYING THE AMOUNT OD OXIDES OF AL AND MG AND RESPECTIVE QUANTITIES OF SI, FE, AND CR AS IMPURITIES IN N AL-MG OR AL-MN ALLOY	
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[weight-%]: AL.O * MG.O : 0-0,002 * MG : 0,05-5,5 + MN : 0,05-1,5 * SI : 0-0,2 * FE : 0-0,35 * CR : 0-0,2 * ZN : 0-10 * AL : REST	
Keywords	(english)	(german)
	USE	VERWENDUNG
172	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP240251 A	07.10.1987
Priority	GB8608030	02.04.1986
Application	EP2603198787302635.5	
Applicant	THE BRITISH PETROLEUM CO., P.L.C.	
Inventor	BEGG, ALAN/ TARRANT, ANDREW	
Title	PREPARATION OF COMPOSITES	
Info		
IPC	C22C00105	
Composition nr.	2	Composite component a
Composition	Composite material [volume-%]: MATRIX : 20-60 * EINLAGERUNG : 40-80 Component a [weight-%]: MN + SI + CU + MG + LI + NI + CR + ZN : 0-30 * AL : REST Component b [weight-%]: S.I.C + S.L.N + S.I.O + B.C + B.N + B.O + AL.N + AL.O + ZR.O + DIAMANT + T.I.C + T.L.N + T.I.O + T.I.B : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	ELASTIC	ELASTISCH
	HARD	HART
	HIGH-TEMPER-STRENGTH	WARMFEST
	METAL-POWDER	METALLPULVER
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	WEAR/TEAR	VERSCHLEISS
173	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)

Publication	JP62207850 A	12.09.1987
Priority	JP51694	10.03.1986
Application	JP1003198661-51694	
Applicant	SKY ALUM CO., LTD.	
Inventor	MATSUO, MAMORU	
Title	ROLLED ALUMINUM ALLOY SHEET FOR FORMING AND ITS PRODUCTION	
Info	TO PROVIDE A ROLLED AL ALLOY SHEET TO BE USED FOR FORMED ARTICLES FOR WHICH HIGH STRENGTH AND EXCELLENT FORMABILITY ARE REQUIRED BY INCORPORATING RESPECTIVELY PRESCRIBED RATIOS OF MG AND >= 1 KINDS AMONG MN, CR, ZR, AND V AND SPECIFYING THE MAX. SIZE OF THE INTERMETALLIC COMPD. IN THE MATRIX	
IPC	C22F001047	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 0,05-1 + CR : 0,03-0,3 + ZR : 0,03-0,3 + V : 0,03-0,3 * MG : 2-6 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
174	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	EP211473 A	25.02.1987
Priority	US730528	06.05.1985
Application	EP0605198686303437.7	
Applicant	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	
Inventor	HALVERSON, DANNY/ PYZIK, ALEKSANDER/ AKSAY, ILHAN	
Title	BORON-CARBIDE-ALUMINIUM AND BORON-CARBIDE-REACTIVE -METAL CERMETS AND A PROCESS FOR THE MANUFACTURE THEREOF	
Info		
IPC	C22C02906	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * KERAMIK Component a [weight-%]: AL + AS + BA + BE + CA + CO + CR + FE + HF + IR + LA + SELTZERD + LI + MG + MN + MO + NA + NB + NI + OS + PD + PT + PU + RE + RH + RU + SC + SI + SR + TA + TC + TH + TI + U + V + W + Y + ZR : 100 Component b [weight-%]: B.C : 100	
Keywords	(english)	(german)
	CERMET	CERMET
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	NUCLEAR-ENERGY	KERNENERGIE

	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
175	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4643779 C	17.02.1987
Priority	US661818	17.10.1984
Application	US17101984661818	
Applicant	UNIVERSITY OF FLORIDA	
Inventor	ABBASCHIAN, GHOLAMREZA/ ABELN, STEPHAN	
Title	METHOD OF MAKING ALUMINUM-LITHIUM ALLOYS WITH IMPROVED DUCTILITY	
Info		
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: LI : 0-10 * MG : 0-10 * ZR : 0-3 * CU : 0-10 * FE : 0-10 * MN : 0-2 * SI : 0-10 * AL : REST * B + TI + NI + CR + BE + CD : 0-2,22	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
176	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4619696 C	28.10.1986
Priority	US677644	03.12.1984
Application	US03121984677644	
Applicant	O.E.T.-METALCONSULT S.R.L.	
Inventor	GORGERINO, MARIO	
Title	ADDITIVE FOR METALLURGICAL LIQUIDS, AND METHOD AND DEVICE FOR THE PREPARATION THEREOF	
Info		
IPC	C22C03308	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI + GE + FE + MN + CA + Y + SELTERD + NI + AL + ZR + TI + BA + CR : 0,00001-99 * LI + NA + K + MG + ZN + CD + P + AS + SB + BI + SE + TE + BR + J : 1-99,99999	
Keywords	(english)	(german)
	DEOXIDANT	DESOXYDATIONSMITTEL
	PRODUCTION	HERSTELLUNG

177	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP61110744 A	29.05.1986
Priority	JP231644	02.11.1984
Application	JP0211198459-231644	
Applicant	KOBE STEEL LTD.	
Inventor	USUI, HIDEYOSHI	
Title	AL ALLOY PLATE FOR PACKING AND ITS MANUFACTURE	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 1-6 * MN : 0,1-2 * FE * CR : 0-0,4 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
178	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4566905 C	28.01.1986
Priority	JP172696	01.10.1982
Application	US20091983533943	
Applicant	NIPPON OIL AND FATS CO., LTD.	
Inventor	AKASHI, TAMOTSU/ ARAKI, MASATADA	
Title	HIGH DENSITY BORON NITRIDE-CONTAINING SINTERED BODY FOR CUTTING TOOL AND A METHOD OF PRODUCING THE SAME	
Info		
IPC	C22C00110	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 5-40 * EINLAGERUNG : 60-95 Component a [weight-%]: NI + CO + CR + MN + FE + MO + W + V + NB + TA + AL + MG + SI + TI + ZR + HF + MO.O + MO.C + MO.N + MO.B + AL.O + TLC + ZRN + HF.B + B.C : 100 Component b [weight-%]: B.N : 100	
Keywords	(english)	(german)
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-RESISTANT	HITZEBEST
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW

	TEXTURE	TEXTUR
	TOOL	WERKZEUG
	WEAR/TEAR	VERSCHLEISS
179	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE3514524 A	31.10.1985
Priority	JP84858	26.04.1984
Application	DE22041985P3514524	
Applicant	NIPPON GAKKI SEIZO K.K.	
Inventor	KURAHASHI, KAZUO/ ONODERA, NOBUTOSHI	
Title	MEHRSCHICHTMATERIAL	
Info	SCHWISCHENSCHICHT AUS NI MOEGLICH UND MANTEL AUS AU +PT*AL-LEG: JIS 1070, 1050, 1100, 1200, 3003, 5052, 5056, 5083, 6061, 6063, 7003	
IPC	B23K02000	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: Ti : 100 Component b [weight-%]: SI : 0-1 * FE : 0-1 * CU : 0-0,4 * MN : 0-1,5 * MG : 0-5,6 * CR : 0-0,35 * ZN : 0-6,5 * Ti : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
180	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP59157235 A	06.09.1984
Priority	JP30232	26.02.1983
Application	JP2602198358-30232	
Applicant	NIHON KEIKINZOKU K.K.	
Inventor	IINUMA, HIROSHI	
Title	PRODUCTION OF ALUMINUM ALLOY BLANK MATERIAL FOR LASER REFLECTION MIRROR	
Info	TO OBTAIN A BLANK MATERIAL FROM WHICH A SPECULAR SURFACE IS IMMEDIATELY OBTD. BY ULTRAPRECISION-CUTTING USING A DIAMOND TOOL, ETC. BY SPECIFYING THE PREMISSIBLE AMT. OF MG AND IMPURITIES IN AN AL ALLOY, FURTHER REMOVING NONMETALLIC INCLUSIONS THEREFROM TO MINIMIZE AN INSOLUBLE METALLIC COMPD. AND LIMITING THE GRAIN SIZE THEREOF	
IPC	C22C00102	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-6 * FE : 0-0,15 * SI : 0-0,05 * CU : 0-0,25 * ZN : 0-0,5 * MN : 0-1 * CR : 0-0,05 * ZR : 0-0,1 * Ti : 0-0,02 * AL : REST	

Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
181	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4460541 C	17.07.1984
Priority	US478283	24.03.1983
Application	US24031983478283	
Applicant	REYNOLDS METALS CO.	
Inventor	SINGLETON, OGLE/ EDWARDS, MARVIN	
Title	ALUMINUM POWDER METALLURGY	
Info		
IPC	F16N01508	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG + ZN + CA + LI + FE + CU + MN + SI + MO + CR + NI + ZR + TI + V + B + CO + HF + Y : (0)-20 * AL : REST	
Keywords	(english)	(german)
	METAL-POWDER	METALLPULVER
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
182	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	GB2129025 A	10.05.1984
Priority	JP130293	28.07.1982
Application	GB180719838319370	
Applicant	TOKAI CARBON CO., LTD.	
Inventor	AKIYAMA, MASARU/ YAMADA, JOTARO/ TAKAHATA, MASAYA	
Title	METHOD FOR PREPARING A SIC WHISKER-REINFORCED COMPOSITE MATERIAL	
Info		
IPC	C22C00109	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * WHISKER Component a [weight-%]: MG + AL + SI + TI + CR + MN + FE + CO + NI + CU + ZN + AG + TA + W + ORGANISCH : 100 Component b [weight-%]: S.I.C : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW

	ELASTIC	ELASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TURBINE	TURBINE
183	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE3335341 C	05.04.1984
Priority	JP172696	01.10.1982
Application	DE29091983P3335341	
Applicant	NIPPON OIL AND FATS CO., LTD	
Inventor	AKASHI, TAMOTSU/ ARAKI, MASATADA	
Title	BORNITRIDHALTIGER SINTERKOERPER HOHER DICHTE ALS SCHNEIDEWERKZEUG UND VERFAHREN DESSEN HERSTELLUNG	
Info		
IPC	C22C02900	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 5-40 * EINLAGERUNG : 60-95 Component a [volume-%]: NI + CO + CR + MN + FE + MO + W + V + NB + TA + AL + MG + SI + TI + ZR + HF + N.I.O + NB.C + NI.N + NI.B + CO.O + TA.C + CO.N + CO.B + CR.O + CR.C + CR.N + CR.B + AL.O + MN.N + W.C + MN.B + FE.O + FEC + FE.N + TI.B + MO.O + TI.N + MO.C + B.C ; 100 Component b [volume-%]: B.N : 100	
Keywords	(english)	(german)
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
	TEXTURE	TEXTUR
	TOOL	WERKZEUG
	WEAR/TEAR	VERSCHLEISS
184	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4435213 C	06.03.1984
Priority	US417796	13.09.1982
Application	US13091982417796	
Applicant	ALUMINUM CO. OF AMERICA	
Inventor	HILDEMAN, GREGORY/ KULI, JOHN/ VIVOLA, LEO	
Title	METHOD FOR PRODUCING ALUMINUM POWDER ALLOY PRODUCTS HAVING IMPROVED STRENGTH PROPERTIES	
Info	BE+V+W+MO+NB+TA+CE+SELTERD:<25	

IPC	C21D00102	
Composition nr.	3	Composite component -
Composition	[weight-%]: MG : 1-8 * ZN : 0-5 * CU : 0-2 * FE : 0-3 * SI : 0-2 * MN : 0-5 * CR : 0-2 * CO : 0-3 * ZR : 0-2 * NI : 0-3 * BE : 0-10 + V : 0-10 + W : 0-10 + MO : 0-10 + NB : 0-10 + TA : 0-10 + CE : 0-10 + SELTERD : 0-10 * AL : 50-99	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
185	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4435213 C	06.03.1984
Priority	US417796	13.09.1982
Application	US13091982417796	
Applicant	ALUMINUM CO. OF AMERICA	
Inventor	HILDEMAN, GREGORY/ KULI, JOHN/ VIVOLA, LEO	
Title	METHOD FOR PRODUCING ALUMINUM POWDER ALLOY PRODUCTS HAVING IMPROVED STRENGTH PROPERTIES	
Info		
IPC	C21D00102	
Composition nr.	4	Composite component -
Composition	[weight-%]: FE : 0,5-15 * ZN : 0-5 * MG : 0-5 * CU : 0-10 * SI : 0-15 * MN : 0-5 * CR : 0-5 * CO : 0-15 * ZR : 0-5 * NI : 0-15 * BE : 0-10 + V : 0-10 + W : 0-10 + MO : 0-10 + NB : 0-10 + TA : 0-10 + CE : 0-10 + SELTERD : 0-10 * AL : 50-99,5	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRESSED	GEPRESST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
186	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4431461 C	14.02.1984
Priority	JP9107	28.01.1980
Application	US28011981229141	

Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	HOSHINO, KOHZOH/ MIZUNO, MUNEO/ MURAKADO, HIROSHI UND MITERFINDER	
Title	METHOD FOR PRODUCING AL-BASE ALLOY SUBSTRATES FOR MAGNETIC RECORDING MEDIA	
Info		
IPC	C22F00104	
Composition nr.	1	Composite component a
Composition	Composite material [%]: KERN Component b [weight-%]: MG : 2-6 * MN : 0-1 * FE : 0-0,3 * ZN : 0-0,25 * CR : 0-0,35 * TI : 0-0,08 + B : 0-0,01 * AL : REST * CU : 0-0,01 * SI : 0-0,095	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	FINE-GRAINED	FEINKÖRNIG
	HEAT-RESISTANT	HITZEBEST
	MACHINEABLE	ZERSPANBAR
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SURFACE	oberfläche
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
187	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4431461 C	14.02.1984
Priority	JP9107	28.01.1980
Application	US28011981229141	
Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	HOSHINO, KOHZOH/ MIZUNO, MUNEO/ MURAKADO, HIROSHI UND MITERFINDER	
Title	METHOD FOR PRODUCING AL-BASE ALLOY SUBSTRATES FOR MAGNETIC RECORDING MEDIA	
Info		
IPC	C22F00104	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 2-6 * MN : 0-1 * FE : 0-0,3 * ZN : 0-0,25 * CR : 0-0,35 * TI : 0-0,08 * B : 0-0,01 * CU : 0-0,01 * SI : 0-0,095 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FINE-GRAINED	FEINKÖRNIG
	HEAT-RESISTANT	HITZEBEST
	MACHINEABLE	ZERSPANBAR

	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
188	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE3327101 A	02.02.1984
Priority	JP130293	28.07.1982
Application	DE27071983P3327101	
Applicant	TOKAI CARBON CO., LTD	
Inventor	AKIYAMA, MASARU/ YAMADA, JOTARO/ TAKAHATA, MASAYA	
Title	VERFAHREN ZUR HERSTELLUNG EINES MIT SIC-WHISKERS VERSTAERKTEN VERBUNDMATERIALS	
Info		
IPC	C22C00109	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * WHISKER Component a [%]: MG + AL + SI + Ti + CR + MN + FE + CO + NI + CU + ZN + AG + TA + W : 100 Component b [%]: SLC : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
189	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR2529909 A	13.01.1984
Priority	FR8212404	06.07.1982
Application	FR060719828212404	
Applicant	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS.	
Inventor	LE CAER, GERARD/ DUBOIS, JEAN-MARIE	
Title	ALLIAGES AMORPHES OU MICROCristallins A BASE D'ALUMINIUM	
Info		
IPC	C22C02100	
Composition nr.	1	Composite component -
Composition	[atomic-%]: AL : 50-95 * MN + NI + CU + ZR + CR + TI + V + FE + CO : 0-40 * MO + W : 0-15 * CA + LI + MG + GE + SI + ZN : 0-20 * O + N + C + H + HE + GA : 0-3	

Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	TEXTURE	TEXTUR
	USE	VERWENDUNG
190	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP57094549 A	12.06.1982
Priority	JP169180	02.12.1980
Application	JP0212198055-169180	
Applicant	TATSUROU KURATOMI	
Inventor	KURATOMI, TATSUROU	
Title	SOLIDIFIED BODY OF CUBIC SYSTEM BORON NITRIDE AND ITS MANUFACTURE	
Info	TO MANUFACTURE A SOLIDIFIED BODY OF A CUBIC SYSTEM BN USED AS A MATERIAL FOR A SUPERHARD TOOL BY MIXING POWDER OF A CUBIC SYSTEM BN WITH MIXED METALLIC POWDER CONSISTING OF ONE OR OF A SPECIFIED METAL AND BN POWDER IN A SPECIFIED RATIO AND BY PRESSURIZING AND HEATING THE MIXTURE UNDER SPECIFIED CONDITIONS	
IPC	C22C02914	
Composition nr.	1	Composite component a
Composition	Composite material [weight-%]: BINDEMETALL : 5-30 * SINTERK : 70-95 Component a [weight-%]: FE + CO + NI + CR + MN + SI + AL + MG + CU : 100 Component b [weight-%]: BN : 100	
Keywords	(english)	(german)
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TOOL	WERKZEUG
191	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP56102565 A	17.08.1981
Priority	JP4017	16.01.1980
Application	JP1601198055-4017	
Applicant	KOBE SEIKOSHO K.K.	
Inventor	USUI, HIDEYOSHI	
Title	MANUFACTURE OF AL ALLOY PLATE FOR PACKING	
Info	TO MANUFACTURE THE TITLED ALLOY PLATE WITH SUPERIOR STRENGTH AND FORMABILITY BY UNIFORMLY HEAT TREATING AN AL ALLOY INGOT CONTG. MG, ONE OR MORE AMONG MN, CR AND CU, AND TI AND/OR BN AS ESSENTIAL COMPONENTS FOLLOWED BY HOT ROLLING UNDER SPECIFIED CONDITIONS	
IPC	C22F00104	

Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-5,5 * MN : 0,05-0,8 + CR : 0,05-0,4 + CU : 0,01-0,5 + TI : 0,01-0,8 + B : 0,001-0,05 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
192	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP56102568 A	17.08.1981
Priority	JP5421	21.01.1980
Application	JP2101198055-5421	
Applicant	SUMITOMO KEIKINZOKU KOGYO K.K.	
Inventor	B ABA, YOSHIO	
Title	MANUFACTURE OF ALUMINUM ALLOY HARD PLATE WITH SUPERIOR STRENGTH AND ANISOTROPY	
Info	TO OBTAIN AN AL ALLOY HARD PLATE WITH A LOW EDGE RATIO IN DEEP DRAWING AND HIGH STRENGTH BY SUBJECTING AN AL ALLOY CONTG. A SPECIFIED AMOUNT OF MG TO HOT ROLLING, COOLING AND COLD ROLLING UNDER SPECIFIED CONDITIONS	
IPC	C22F00104	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2-4 * CR : 0-0,5 + MN : 0-1,5 + TI : 0-0,05 + ZR : 0-0,05 + V : 0-0,12 * AL : REST	
Keywords	(english)	(german)
	HARD	HART
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
193	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2917627 A	13.11.1980
Priority	DE2917627	02.05.1979
Application	DE02051979P2917627.0	
Applicant	ALUMINIUM-WALZWERK SINGEN GMBH	
Inventor	HORN, WERNER/ HENNINGS, JUERGEN	
Title	VERFAHREN ZUM HERSTELLEN VON ALUMINIUMBAENDERN ODER -BLECHEN SOWIE DEREN VERWENDUNG	
Info		
IPC	B21B00300	

Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 0,3-6 * MN : 0-1 * SI : 0-0,4 * FE : 0-0,4 * CU : 0-0,2 * CR : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
194	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1572460 C	30.07.1980
Priority	JP103738	01.09.1976
Application	GB1512197652445/76	
Applicant	THE RESEACH INSTITUTE FOR IRON,STEEL AND OTHER METALS OF THE TOHOKU UNIVERSITY	
Inventor		
Title	LIGHT METAL MATRIX COMPOSITE MATERIALS REINFORCED SILICON CARBIDE FIBERS AND A METHOD FOR PRODUCING SAID COMPOSITE MATERIALS	
Info		
IPC	C22C00100900	
Composition nr.	3	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: B + MN + MO + AL + W + SI + CR + CA + CE + V + U + TH + NB + TA + TI + ZR + HF + BE + MG + FE + CO + NI + CU + ZN + GE + PD + AG + CD + SN + SB + PT + AU + PB : 100 Component b [weight-%]: C : 0,01-40 * SIC : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	PRODUCTION	HERSTELLUNG
195	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US4152149 C	01.05.1979
Priority	JP16436	08.02.1974
Application	US25011977762294	
Applicant	SUMITOMO CHEMICAL CO.,LTD.	
Inventor	HORIKIRI,SHOZO	
Title	COMPOSITE MATERIAL COMPRISING REINFORCED ALUMINUM OR ALUMINUM-BASE ALLOY	
Info		
IPC	40B00C22C00100900	
Composition	1	Composite component a

nr.		
Composition	Composite material [volume-%]: MATRIX : 40-70 * FASER : 30-60 Component a [weight-%]: BE + CO + CR + CU + FE + MG + MN + NI + SI + SN + TI + ZN + ZR : 0-11,11 * AL : REST Component b [weight-%]: ALO : 72-100 * SI : 0-28	
Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	HIGH-TEMPER-STRENGTH	WARMFEST
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
196	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	JP54005810 A	17.01.1979
Priority	JP71834	16.06.1977
Application	JP1606197752-71834	
Applicant	KUBOTA TEKKO K.K.	
Inventor	NAKAISHI, MASAO	
Title	ALUMINIUM ALLOY FOR CASTING	
Info		
IPC	C22C02106	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 4,5-6 * MN : 0,4-1,8 * CU : 0-0,1 * SI : 0-0,5 * ZN : 0-0,5 * FE : 0-0,5 * TI : 0-0,3 * AL : REST	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
197	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4108688 C	22.08.1978
Priority	US728366	30.09.1976
Application	US30091976728366	
Applicant	KAISEL ALUMINUM & CHEMICAL CORP.	
Inventor	BROVERMAN,IRWIN	
Title	CAST ALUMINUM PLATE AND METHOD THEREFOR	
Info		
IPC	40D00C22F00100400	
Composition nr.	1	Composite component -

Composition	[weight-%]: MG : 3-6 * MN : 0-1 * SI : 0,05-0,5 * FE : 0-0,5 * CU : 0-0,3 * CR : 0-0,4 * ZN : 0-0,4 * AL : REST * TI : 0-0,014	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
198	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US4070210 C	24.01.1978
Priority	PL177421	18.01.1975
Application	US14011976649158	
Applicant	POLITECHNIKA SLASKA IM. WINCENTEGO PSTROWSKIEGO	
Inventor	GIEREK,ADAM/BAJKA,LECH	
Title	METHOD FOR HOT AND IMMERSION ALUMISING OF COMPACTLY FORMED FERROUS ALLOY PRODUCTS	
Info		
IPC	18C00C21D00104800	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG Component a [weight-%]: AL : REST * LI + NA + SI + PB + CU + SN + ZN + CR + NI + FE + CD + MG + BI + BE + AG + CA + CO + IN + MN + MO + SB + SE + TE + ZR + TI : 0-33,33	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HEAT-RESISTANT	HITZEBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
199	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2726763 A1	15.12.1977
Priority	US695425	14.06.1976
Application	DE140619772726763	
Applicant	American Can Co.	
Inventor	Hitchler, Edward; Klein, Albert	
Title	Verfahren zur Herstellung von Blechmaterial unter Stärkenverringerung	
Info		
IPC	C22F001/04	
Composition nr.	1	Composite component -
	[weight-%]: MN : 0,4-2 * SI : 0-0,8 * FE : 0-0,8 * CU : 0-0,3 * MG : 0-6 * ZN : 0-0,4 * B + CR +	

Composition	TI : 0-1,11 * AL : REST	
Keywords	(english)	(german)
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
200	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1484980 C	08.09.1977
Priority	JP16436	08.02.1974
Application	GB070219755315/75	
Applicant	SUMITOMO CHEMICAL CO.LTD.	
Inventor		
Title	COMPOSITE MATERIAL COMPRISING REINFORCED ALUMINIUM OR ALUMINUM-BASE ALLOY	
Info		
IPC	40B00C22C00100900	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 20-95 * FASER : 5-80 Component a [weight-%]: AL : REST * BE + CO + CU + CR + FE + MG + MN + NI + SI + SN + TI + ZN + ZR : 0-5,55 Component b [weight-%]: ALO : 72-100 * SIO : 0-28	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-RESISTANT	HITZEBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
201	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE2629696 A	20.01.1977
Priority	US591700	30.06.1975
Application	DE29061976P2629696	
Applicant	ALUMINIUM COMPANY OF AMERICA	
Inventor	ANDERSON, WILLIAM/ MC KEE, ARVIL/ MC BRIDE, JOHN	
Title	VERBESSERTER BEHAELTER MIT EINER ALUMINIUMFLAECHE MIT DURCH AUSREISSEN ENTFERNBAREM TEIL	
	CU+MN+MG:1-7	

Info		
IPC	B65D00704	
Composition nr.	1	Composite component b
Composition	Composite material [weight-%]: MANTEL * KERN : 100 Component a [weight-%]: ZN : (0)-1 * AL : REST Component b [weight-%]: CU : (0)-3 + MG : (0)-4 + MN : (0)-1,5 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
202	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1451233 C	29.09.1976
Priority	GB37025	03.08.1973
Application	GB0308197337025/73	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	BINGER, WAYNE / SAGER, RICHARD	
Title	IMPROVED ALUMINUM WELDING	
Info	DIE ZU VERSCHWEISSENDEN AL-LEGIERUNGEN WEISEN MAXIMAL 3% CU AUF, FE+NI+CO:0,005-3	
IPC	B23K03102	
Composition nr.	3	Composite component -
Composition	[weight-%]: MG : 2-6 * MN : 0,05-1 + CR : 0,05-0,4 + TI : 0,01-0,2 * FE : 0,2-2 + NI : 0,2-2,5 + CO : 0,05-2 * AL : 85-99,99	
Keywords	(english)	(german)
	FILLER-MATERIAL	SCHWEISSZUSATZW
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
203	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US3945860 C	23.03.1976
Priority	US535754	23.12.1974
Application	US23121974535754	
Applicant	SWISS ALUMINIUM LTD.	
Inventor	WINTER,JOSEPH/PRYOR,MICHAEL/SETZER,WILLIAM	
Title	PROCESS FOR OBTAINING HIGH DUCTILITY HIGH STRENGTH ALUMINUM BASE ALLOYS	
Info		
IPC	40D00C22F00100404	

Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,05-1 * SI : 0,05-1 * MG : 0-10 * MN : 0-3 * CU : 0-1 * CR : 0-0,5 * ZN : 0-0,5 * ZR : 0-0,5 * TI : 0-0,5 * B : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
204	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1401527 C	30.07.1975
Priority	NO1607	05.05.1972
Application	GB1407197233066/72	
Applicant	A/S ARDAL OG SUNNDAL VERK	
Inventor	GJOSTEEN,OLE/TERUM,TRYGVE/AARFLOT,AKSEL	
Title	ALLOYING AND VACUUM TREATMENT OF METALS	
Info		
IPC	40B00C22C00100200	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : (0)-5 + FE : (0)-0,24 + SI : (0)-0,52 + AL : REST * MN : 0-2,22	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
205	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1390789 A	16.04.1975
Priority	US14917671	02.06.1971
Application	GB0106197225603/72	
Applicant	Union Carbide Corp.; Tucker, Jr., Robert	
Inventor	Tucker, Jr., Robert	
Title	A process for producing filament-reinforced composite metallic material and the material produced thereby	
Info	Anteil 2: mit SiC überzogene Borfasern. Matrix (Anteil 1) sollte wenigstens 2 metallische Pulver haben	
IPC	C22C047/14	
Composition nr.	2	Composite component a
Composition	Composite material [volume-%]: MATRIX : 50-50 * FASER : 50-50 Component a [weight-%]: CU + SI + AL + TI + FE + CO + MG + NI + ZR + BE + MN + ZN + SN + PB + BI + CR : 100 Component b [weight-%]: B * SiC : 100	

Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
206	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	AU465984 C	16.01.1975
Priority	AU57970	11.07.1973
Application	AU1107197357970/73	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	BINGER, WAYNE WILLIAM / SAGER JUN., RICHARD KENDAL	
Title	IMPROVED ALUMINUM WELDING	
Info		
IPC	C22C02100	
Composition nr.	2	Composite component -
Composition	[weight-%]: FE : 0,2-2 + NI : 0,2-2,5 + CO : 0,05-2 * MG : 2-6 * MN : 0-1 * CR : 0-0,4 * TI : 0-0,2 * CU : 0-1 * AL : REST	
Keywords	(english)	(german)
	ELECTRODE	ELEKTRODE
	FILLER-MATERIAL	SCHWEISSZUSATZW
	USE	VERWENDUNG
	WIRE	DRAHT
207	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3831263 C	27.08.1974
Priority	US279826	11.08.1972
Application	US11081972279826	
Applicant	ALUMINIUM CO.OF AMERICA	
Inventor	DZIERSKI,STANLEY	
Title	METHOD OF SOLDERING	
Info		
IPC	49H00B23K02100000	
Composition nr.	2	Composite component -
Composition	[weight-%]: ZN + MG + CU + SI : 0-12 * FE + MN + NI + CR : 0-2 * AL : 75-100	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG

208	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US3794481 C	26.02.1974
Priority	US331620	12.02.1973
Application	US12021973331620	
Applicant	ETHYL CORP.	
Inventor	NIEBYLSKI,LEONARD/JAREMA,CHESTER/IMMETHUN,PETER	
Title	METAL FOAMS AND PROCESS THEREFOR	
Info		
IPC	18B00C21D00000000	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : (0)-10 + CU : (0)-15 + SI : (0)-15 + ZN : (0)-12 * AL : REST * FE + MN + CR + NI + TI : 0-5	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	POROUS	PORÖS
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
209	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE2238804 A	14.02.1974
Priority	DE2238804	07.08.1972
Application	DT07081972P2238804	
Applicant	MOSKOWSKIJ WETSCHERNYJ METALLURGITSCHESKIJ INSTITUT	
Inventor	SMIRNOW,GENNADIIJ/SPASSKIIJ,ANATOLIIJ	
Title	ALUMINIUMLEGIERUNG	
Info	"ST"	
IPC	40B00C22C02100000	
Composition nr.	9	Composite component -
Composition	[weight-%]: MG : 0,5-6,8 * MN : 0,2-0,8 * AL : REST	
Keywords	(english)	(german)
	HARD	HART
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
210	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US3788823 C	29.01.1974
Priority	US136235	21.04.1971

Application	US21041971136235	
Applicant	ETHYL CORP.	
Inventor	WELLS, ROBERT	
Title	BRAZED FOAMED METAL	
Info		
IPC	B23K03524LLM	
Composition nr.	2	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: AL : 100 Component b [weight-%]: MG : 0-30 * SI : 0-12,2 * TI : 0-12 * CU : 0-35 * CR : 0-0,3 * ZN : 0-15 * MN : 0-1,5 * SN : 0-2 * PB : 0-0,5 * NI : 0-0,9 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PRODUCTION	HERSTELLUNG
211	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US3771214 C	13.11.1973
Priority	US206217	08.12.1971
Application	US08121971206217	
Applicant	ALUMINIUM CO.OF AMERICA	
Inventor	BINGER,WAYNE/SAGER,RICHARD	
Title	ALUMINUM WELDING	
Info	FE*NI*CO(2,3)<3	
IPC	49H00B23K035036SNE	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,2-2 + NI : 0,2-2,5 + CO : 0,05-2 * MG : 2-6 & SI : 3-11 * MN : 0-1 + CR : 0-0,4 + TI : 0-0,2 * CU : 0-1 * AL : 85-96,75	
Keywords	(english)	(german)
	FILLER-MATERIAL	SCHWEISSZUSATZW
	USE	VERWENDUNG
212	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR2175850 C	26.10.1973
Priority	NO778	10.03.1972
Application	FR090319737308512	
Applicant	A/S ARDAL OG SUNNDAL VERK	
Inventor		
Title	ALLIAGE SOUDABLE D'ALUMINIUM ET SON PROCEDE DE PREPARATION	

Info	"ST"	
IPC	40B00C22C02100000	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 3-5 * MN : 0-1 * AL : REST	
Keywords	(english)	(german)
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
213	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE1608159 A	16.08.1973
Priority	DE63361	22.07.1967
Application	DT22071967H63361	
Applicant	HONSEL-WERKE AG	
Inventor	ZIMMERMANN,PAUL	
Title	ALUMINIUM-MAGNESIUM-SILIZIUM-LEGIERUNG	
Info	AN SI GEBUNDENES MG<1,5	
IPC	40B00C22C02100200	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : (0)-13 * MG : 3-15 * CU : 0-0.01 * MN : 0-1,8 * FE : 0-0,4 * TI : 0-0,2 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
214	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1325179 C	01.08.1973
Priority	JP90676	12.11.1969
Application	GB1111197053746/70	
Applicant	MITSUBISHI SEIKO K.K./ TOYO CARBON K.K.	
Inventor		
Title	IMPROVEMENTS IN OR RELATING TO ELECTRODE HOLDERS	
Info	C:0-3*BEDEUTET C-FASER + GRAPHITFASER	
IPC	C22C00900	
Composition		

nr.	1	Composite component -
Composition	[weight-%]: CU + FE + AL : 30-100 * GRAPHIT : 0-50 * SN + PB + ZN + MG + W + MO + CO + TA + CR + TI + BE + AG + MN + CD : 0-30 * C : 0-3	
Keywords	(english)	(german)
	ELECTRIC	ELEKTRISCH
	METAL-POWDER	METALLPULVER
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	SURFACE	OBERFLÄCHE
215	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	GB1325179 C	01.08.1973
Priority	JP89329	13.10.1970
Application	GB1111197053746/70	
Applicant	MITSUBISHI SEIKO K.K./TOYO CARBON K.K.	
Inventor		
Title	IMPROVEMENTS IN OR RELATING TO ELECTRODE HOLDERS	
Info		
IPC	40B00C22C03100400	
Composition nr.	1	Composite component a
Composition	Composite material [weight-%]: BINDEMETALL : 97-100 * FASER : 0-3 Component a [weight-%]: CU + FE + AL : 30-100 * GRAPHIT : 0-50 * SN + PB + ZN + MG + W + MO + CO + TA + CR + TI + BE + AG + MN + CD : 0-30 Component b [weight-%]: C + GRAPHIT : 100	
Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	USE	VERWENDUNG
216	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	AT304891 C	25.01.1973
Priority	AT2404	16.03.1970
Application	OE160319702404/70	
Applicant	HANS KIRCHMAYR	
Inventor		
Title	PERMANENTMAGNETISCHE LEGIERUNG	
Info		

IPC	40B00C22C03100000	
Composition nr.	1	Composite component -
Composition	[atomic-%]: LI + BE + MG + CA + SR + BA + RA : 0-75 * Y + SC + SELTERD : 0-75 * MN + FE + CO + NI + CU + AG + AU : 0-90 * ZN + CD + HG + AL + TI + ZR + HF + TH + V + NB + TA + PA + CR + MO + W + U : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MAGNETIZABLE	MAGNETISIERBAR
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
217	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE2133347 A	25.01.1973
Priority	DE2133347	05.07.1971
Application	DT05071971P2133347	
Applicant	VEREINIGTE ALUMINIUM-WERKE AG	
Inventor	GRUHL,WOLFGANG/FALLER,FRIEDRICH/KRUMM,ULRICH	
Title	ALUMINIUM-WERKSTOFF ZUR AUFBRINGUNG EINER KUNSTSTOFFBESCHICHTUNG	
Info	KERN:AL&AL-LEGIERUNG	
IPC	40B00C22C02100000	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG Component a [weight-%]: CR + CO + MO + NI + NB + FE + MN + SI + TA + TI + V + W : 0,5-20 * ZN + MG + CU : 0-5 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HARD	HART
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
	WEAR/TEAR	VERSCHLEISS
218	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE2133347 A	25.01.1973
Priority	DE2133347	05.07.1971
Application	DT05071971P2133347	
Applicant	VEREINIGTE ALUMINIUM-WERKE AG	
Inventor	GRUHL,WOLFGANG/FALLER,FRIEDRICH/KRUMM,ULRICH	
Title	ALUMINIUM-WERKSTOFF ZUR AUFBRINGUNG EINER KUNSTSTOFFBESCHICHTUNG	

Info		
IPC	40B00C22C02100000	
Composition nr.	2	Composite component -
Composition	[weight-%]: CR + CO + MO + NI + NB + FE + MN + SI + TA + TI + V + W : 0,5-20 * ZN + MG + CU : 0-5 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HARD	HART
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
	WEAR/TEAR	VERSCHLEISS
219	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2133347 A	25.01.1973
Priority	DE2133347	05.07.1971
Application	DT05071971P2133347	
Applicant	VEREINIGTE ALUMINIUM-WERKE AG	
Inventor	GRUHL,WOLFGANG/FALLER,FRIEDRICH/KRUMM,ULRICH	
Title	ALUMINIUM-WERKSTOFF ZUR AUFBRINGUNG EINER KUNSTSTOFFBESCHICHTUNG	
Info		
IPC	40B00C22C02100000	
Composition nr.	3	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: ORGANISCH : 100 Component b [weight-%]: CR + CO + MO + NI + NB + FE + MN + SI + TA + TI + V + W : 0,5-20 * ZN + MG + CU : 0-5 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HARD	HART
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WEAR/TEAR	VERSCHLEISS
220	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR2141145 A	19.01.1973
Priority	US14917671	02.06.1971
Application	FR010619727219751	
Applicant	Union Carbide Corp.	
Inventor	----	

Title	Éléments métalliques renforcés par des fibres et leur procédé de réalisation	
Info	Auch Stahlfasern können verwendet werden	
IPC	C22C047/14	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * FASER Component a [weight-%]: AL + SI + CU + TI + FE + CO + MG + NI + ZR + BE + MN + ZN + SN + PB + BI + CR : 100 Component b [weight-%]: B + GRAPHIT + AL + BE + SLC : 100	
Keywords	(english)	(german)
	FIBER-COMPOSITE-MATER	FASERVERBUNDW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
221	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3705023 C	05.12.1972
Priority	US99672	18.12.1970
Application	US1812197099672	
Applicant	OLIN CORP.	
Inventor	FISTER,JULIUS	
Title	ALUMINUM-STEEL COMPOSITES	
Info		
IPC	40B00C22C039054X0	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: SI : 0,5-2,5 * B : 0-1 * CU : 0-3 * ZN : 0-4 * MG : 0-5 * FE : 0-3 * MN : 0-2 * AL : REST Component b [weight-%]: C : 0,01-1 * N : 0,001-0,05 * AL + V + B + TI + NB : 0-5,555 * MN : 0-0,5 * P + S : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-RESISTANT	HITZEBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
222	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)

Publication	US3705023 C	05.12.1972
Priority	US99672	18.12.1970
Application	US1812197099672	
Applicant	OLIN CORP.	
Inventor	FISTER,JULIUS	
Title	ALUMINUM-STEEL COMPOSITES	
Info		
IPC	40B00C22C039054X0	
Composition nr.	2	Composite component -
Composition	[weight-%]: SI : 0,5-2,5 * B : 0-1 * CU : 0-3 * ZN : 0-4 * MG : 0-5 * FE : 0-3 * MN : 0-2 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-RESISTANT	HITZEBEST
	PLASTIC	PLASTISCH
	USE	VERWENDUNG
223	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2221660 A	09.11.1972
Priority	US140580	05.05.1971
Application	DT03051972P2221660	
Applicant	OLIN CORP.	
Inventor	PRYOR,MICHAEL/WINTER,JOSEPH/SETZER,WILLIAM	
Title	VERFAHREN ZUR HERSTELLUNG VON ALUMINIUMLEGIERUNGEN HOHER FESTIGKEIT U.DUKTILITAET	
Info		
IPC	40D00C22F00100400	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,05-1 * SI : 0,05-1 * MG : (0)-10 + MN : (0)-3 + CU : (0)-1 + CR : (0)-0,5 + ZN : (0)-0,5 + ZR : (0)-0,5 + TI : (0)-0,5 + B : (0)-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
224	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2210968 A	28.09.1972

Priority	US123778	12.03.1971
Application	DT07031972P2210968	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	MCKEE,ARVIL/BROWN,ROBERT/HORST JUN.,RALPH	
Title	BEHAELTERPLATTE	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: ZN : 1-1,5 * AL : REST Component b [weight-%]: MG : 2-6 * MN : 0-1 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
225	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE2210968 A	28.09.1972
Priority	US123778	12.03.1971
Application	DT07031972P2210968	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	MCKEE,ARVIL/BROWN,ROBERT/HORST JUN.,RALPH	
Title	BEHAELTERPLATTE	
Info		
IPC	40B00C22C02100000	
Composition nr.	3	Composite component -
Composition	[weight-%]: MG : 2-6 * MN : 0-1 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
226	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1608766 A	23.03.1972

Priority	US610973	23.01.1967
Application	DT22011968O12998	
Applicant	OLIN MATHIESON CHEMICAL CORP.	
Inventor	WINTER,JOSEPH/GOLDMAN,ALAN/SETZER,WILLIAM	
Title	ALUMINIUMLEGIERUNG HOHER FESTIGKEIT UND VERFAHREN ZU DEREN HERSTELLUNG	
Info		
IPC	40B00C22F00100400	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,05-1 * SI : 0,05-1 * MG : 0-10 * MN : 0-3 * CU : 0-1 * CR : 0-0,5 * ZN : 0-0,5 * ZR : 0-0,5 * TI : 0-0,5 * B : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
227	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	GB1222262 C	10.02.1971
Priority	US704678	12.02.1968
Application	GB0406196826639/68	
Applicant	CLEVITE CORPORATION	
Inventor	FEDOR, ROBERT JOSEPH / SMITH, WATER EUGENE	
Title	FINE DISPERSION ALUMINUM BASE BEARING AND METHOD FOR MAKING SAME	
Info	OPFERMETALL-SCHICHT	
IPC	F16C03306	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0-13 * CU : 0-7 * MN : 0-1,5 * MG : 0-6 * Ni : 0-3 * FE : 0-2 * ZN : 0-8 * CR : 0-1 * ZR : 0-1 * TI : 0-1 * CD : 0-50 * BI : 0-50 * SB : 0-50 * PB : 0-50 * SN : 0-50 * AL : 50-98	
Keywords	(english)	(german)
	BEARING	LAGER
	COMPOSITE-MATERIAL	VERBUNDW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	METAL-POWDER	METALLPULVER
	PRESSED	GEPRESST
	SINTERED-PRODUCT	SINTERW
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
228	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)

Publication	GB1222262 C	10.02.1971
Priority	US704678	12.02.1968
Application	GB0406196826639/68	
Applicant	CLEVITE CORPORATION	
Inventor	FEDOR, ROBERT JOSEPH / SMITH, WATER EUGENE	
Title	FINE DISPERSION ALUMINUM BASE BEARING AND METHOD FOR MAKING SAME	
Info	LAGERMETALL- UND BINDEMETALL-SCHICHT	
IPC	F16C03306	
Composition nr.	2	Composite component -
Composition	[weight-%]: SI : 0-13 * CU : 0-7 * MN : 0-1,5 * MG : 0-6 * NI : 0-3 * FE : 0-2 * ZN : 0-8 * CR : 0-1 * ZR : 0-1 * TI : 0-1 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	COMPOSITE-MATERIAL	VERBUNDW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	METAL-POWDER	METALLPULVER
	PRESSED	GEPRESST
	SINTERED-PRODUCT	SINTERW
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
229	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1615404 C	14.05.1970
Priority	DE111025	26.07.1967
Application	DE26071967S111025	
Applicant	SIGRI ELEKTROGRAPHIT GMBH	
Inventor	RUBISCH, OTTOMAR	
Title	LICHTBOGENOFEN	
Info	ELEKTRODE IST MIT EINER DOPPELSCHICHT UEBERZOGEN	
IPC	H01B00708	
Composition nr.	2	Composite component a
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: AL : 85-100 * NA + MG + B + SI + P + O + CU + ZN + PB + TI + ZR + CR + MN + FE + CO + NI : 0-15 Component b [weight-%]: SI : 90-100 * NA + MG + CA + B + AL + TI + ZR + MN + FE + C + N + P + O : 0-10	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST

ELECTRODE		ELEKTRODE
230	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3490955 C	20.01.1970
Priority	US610973	23.01.1967
Application	US23011967610973	
Applicant	OLIN MATHIESON CHEMICAL CORP.	
Inventor	WINTER,JOSEPH/GOLDMAN,ALAN/SETZER,WILLIAM	
Title	ALUMINUM BASE ALLOYS AND PROCESS FOR OBTAINING SAME	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component -
Composition	[weight-%]: FE : 0,05-1 * SI : 0,05-1 * MG : 0-10 * MN : 0-3 * CU : 0-1 * CR : 0-0,5 * ZN : 0-0,5 * ZR : 0-0,5 * TI : 0-0,5 * B : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
231	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1817243 A	24.07.1969
Priority	CH18378	29.12.1967
Application	DT27121968P1817243	
Applicant	SCHWEIZERISCHE ALUMINIUM AG	
Inventor	MEIER,RENE/COHEN,HANS-MICHAEL	
Title	VERFAHREN ZUR HERSTELLUNG VON FEINKOERNIGEN BAENDERN AUS MANGANHALTIGEN ALUMINIUM-LEGIERUNGEN	
Info		
IPC	40B00C22C02100000	
Composition nr.	2	Composite component -
Composition	[weight-%]: MN : 0,3-1,3 * MG : 0,3-5 * SI : 0,1-0,6 * FE : 0,2-0,8 * CU : 0-0,3 * AL : REST	
Keywords	(english)	(german)
	ELASTIC	ELASTISCH
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
232		
Publication	Deutsches Patent- und Markenamt DPMA DE1291904 B	30.3.2009 (15:54h) 03.04.1969
Priority	US409985	09.11.1964
Application	DT08111965A50710	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	WALLACE,PAUL/WALTON,CHARLES	
Title	WALZPLATTIERTER ALUMINIUM-VERBUNDWERKSTOFF FUER DAS AUFBRINGEN VON GLASEMAIL-UEBERZUEGEN	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: CU : 0,2-0,75 * MG : 0-0,005 * AL : REST Component b [weight-%]: MG : 0,3-5 * SI : 0-3 * CU : 0-0,75 + MN : 0-1 * CR : 0-0,35 & NI : 0-1 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
233		
Publication	Deutsches Patent- und Markenamt DPMA US3377145 C	30.3.2009 (15:54h) 09.04.1968
Priority	US409985	09.11.1964
Application	US09111964409985	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	WALLACE,PAUL/WALTON,CHARLES	
Title	ENAMELLED ALUMINUM COMPOSITE BASE	
Info	PLATTIERW:EMAILLIERT	
IPC	40B00C22C02100000	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: CU : 0,2-0,75 * AL : 99,25-99,8	

	Component b [weight-%]: MG : 0,3-5 * MN : 0-1 * CR : 0-0,4 * NI : 0-1 * CU : 0-1 * SI : 0-3 * TI : 0-0,2 * AL : REST * FE : 0-0,7	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
234	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3366515 C	30.01.1968
Priority	CA926006	19.03.1965
Application	US21061965465291	
Applicant	SHERRITT GORDON MINES LTD.	
Inventor	FRASER,ROBERT/EVANS,DAVID	
Title	WORKING CYCLE FOR DISPERSION STRENGTHENED MATERIALS	
Info		
IPC	40D00C22F00101000	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: MATRIX : 70-100 * EINLAGERUNG : 0-30 Component a [weight-%]: NI + FE + CO + CU + BE + MG + AL + MN + CR + MO + NB + TA + TI + V + U + ZR + PT + PD + AU + PB + W : 100 Component b [weight-%]: THO + MGO + YO + CAO + ZRO + SIO + UO + LAO + BEO + ALO + HPO + CEO + TIO : 100	
Keywords	(english)	(german)
	DISPERSION-HARDENING	DISPERSIONSH
	HIGH-TEMPER-STRENGTH	WARMFEST
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
235	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3355159 A	28.11.1967
Priority	GB19867/62	23.05.1962
Application	US2205196328237863	
Applicant	British Aluminium Company Ltd.	
Inventor	Ayers, Peter	
Title	Apparatus for continuous heat treatment of sheet or strip material	

Info		
IPC	C21D009/56	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3,5 * MN : 0,4-1,2 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
236	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	GB1079710 C	16.08.1967
Priority	GB51422	17.12.1964
Application	GB1712196451422/64	
Applicant	MUREX WELDING PROCESSES LTD.	
Inventor	PHELPS,BRIAN/JOHNSTON,ROY/BLAKE,PAUL/WELLARD,HAROLD	
Title	IMPROVEMENTS IN ARC WELDING ELECTRODES	
Info	ALS UEBERZUG AUF FLUSSTAHL-MANTEL EINER SCHWEISSELEKTRODE	
IPC	49H00B23K035036SS	
Composition nr.	2	Composite component -
Composition	[weight-%]: AL : 50-100 * CE : 0-10 * MG : 0-15 * LI : 0-10 * SI : 0-20 * MN : 0-20 * CU : 0-5 * B : 0-5 * NA + RB + CS + SR + BA + K + CA : 0-5 * TI : 0-3	
Keywords	(english)	(german)
	FILLER-MATERIAL	SCHWEISSZUSATZW
	USE	VERWENDUNG
237	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1218166 B	02.06.1966
Priority	US68464157	18.09.1957
Application	DE1609195830308	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	MILLIKEN, SPENCER	
Title	VERFAHREN ZUR HERSTELLUNG EINES GASFREIEN SCHMIEDESTUECKES AUS ALUMINIUM ODER ALUMINIUMLEGIERUNGEN	
Info	BILDUNG EINES SCHUTZUEBERZUGES AUS FLUORHALTIGEN VERBINDUNGEN Z.B. B.F3	
IPC	C22F00104	
Composition nr.	1	Composite component -

Composition	[weight-%]: MG : 0,1-15 * CU : 0-4,4 * SI : 0-0,8 * MN : 0-0,8 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
238	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR1423644 C	29.11.1965
Priority	FR963842	14.02.1964
Application	FR14021964963842	
Applicant	AB SVENSKA METALLVERKEN	
Inventor		
Title	METAL DE CHARGE POUR LE SOUDAGE D'ALLIAGES A BASE D'ALUMINIUM	
Info		
IPC	49H00B23K035028SAL	
Composition nr.	2	Composite component a
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: MG + SI : 2-8 * CU + MN + CR + ZR + B + TI + V + LI : 0-5 * AL : REST Component b [weight-%]: AG : 100	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	WELDABLE	SCHWEISSBAR
239	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR1423644 C	29.11.1965
Priority	FR963842	14.02.1964
Application	FR14021964963842	
Applicant	AB SVENSKA METALLVERKEN	
Inventor		
Title	METAL DE CHARGE POUR LE SOUDAGE D'ALLIAGES A BASE D'ALUMINIUM	
Info		
IPC	49H00B23K035028SAL	
Composition nr.	3	Composite component b

Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: AG : 100 Component b [weight-%]: MG + SI : 2-8 * CU + MN + CR + ZR + B + Ti + V + Li : 0-5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	WELDABLE	SCHWEISSBAR
240	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US3216076 A	09.11.1965
Priority	US19134062	30.04.1962
Application	US3004196219134062	
Applicant	Clevite Corp.	
Inventor	Alber, Norman; Smith, Walter	
Title	Extruding fibers having oxide skins	
Info		
IPC	C22C001/10	
Composition nr.	1	Composite component -
Composition	[weight-%]: CU + AG + AU + PT + FE + NI + GE + IN + CO + MN : REST * AL + MG + BE + CR + LA : 0,50001-100	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	WIRE	DRAHT
241	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE1198074 B	05.08.1965
Priority	US68464157	18.09.1957
Application	DE1609195830309	
Applicant	ALUMINIUM COMPANY OF AMERICA	
Inventor	MILLIKEN, SPENCER	
Title	VERFAHREN ZUR VORBEHANDLUNG VON HALBZEUG UND FERTIGTEILEN AUS EINER ALUMINIUMLEGIERUNG	
Info	DIE GESAMTMENGE VON CR+TI+NI+B+BE+MO+ZR+TA+N+CO SOLL 3% NICHT UEBERSTEIGEN* VORBEHANDLUNG VON HALBZEUG UND FERTIGTEILEN DURCH BILDUNG EINES SCHUTZUEBERZUGES AUS FLUORHALTIGEN VERBINDUNGEN Z.B. B.F3	
IPC	C22F00105	
Composition nr.	1	Composite component -

Composition	[weight-%]: MG : 0,1-15 * CU : 0-12 + SI : 0-14 + ZN : 0-20 + MN : 0-3 * CR : 0-0,5 + Ti : 0-0,5 + NI : 0-2,5 + B : 0-0,5 + BE : 0-2 + MO : 0-0,5 + ZR : 0-0,5 + TA : 0-0,5 + NB : 0-0,5 + CO : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
242	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1198168 B	05.08.1965
Priority	US807893	21.04.1959
Application	DT19041960A34465	
Applicant	ALUMINUM COMPANY OF AMERICA	
Inventor	VANDENBURGH,DAVID	
Title	VERBUNDWERKSTOFF AUS ALUMINIUMLEGIERUNGEN FUER BAU- ODER APPARATETEILE, INSbesondere EINES HEISSWASSERBEHAELTERS	
Info		
IPC	48B00C23C00500000	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: MG : 1-4 * ZN : 0,5-2 * AL : REST Component b [weight-%]: MG : 2-4 * MN : 0,5-1 * ZN : 0-0,035 * CR : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
243	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3147110 C	01.09.1964
Priority	US155162	27.11.1961
Application	US27111961155162	
Applicant	DOW CHEMICAL CO.	
Inventor	FOERSTER,GEORGE	
Title	DIE-EXPRESSED ARTICLE OF ALUMINUM-BASE ALLOY AND METHOD OF MAKING	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component a
	Composite material [volume-%]: BINDEMETALL : 80-99,5 * EINLAGERUNG : 0,5-20	

Composition	Component a [weight-%]: AG : 0-10 * CA : 0-0,7 * CR : 0-0,8 * CU : 0-6 * LI : 0-5,5 * MG : 0-15 * MN : 0-2 * SI : 0-2 * TI : 0-1 * ZN : 0-10 * ZR : 0-0,3 * AL : 70-100 Component b [weight-%]: AUAL2 + BAAL4 + CEAL4 + PDAL3 + PTAL3 + SBAL + SE3AL2 + SRAL4 + TE3AL2 + THAL3 + UAL4 : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
244	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US3147111 C	01.09.1964
Priority	US155165	27.11.1961
Application	US27111961155165	
Applicant	DOW CHEMICAL CO.	
Inventor	FOERSTER,GEORGE	
Title	ARTICLE OF ALUMINUM-BASE ALLOY	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component a
Composition	Composite material [volume-%]: BINDEMETALL : 80-99,5 * EINLAGERUNG : 0,5-20 Component a [weight-%]: AG : 0-10 * CA : 0-0,7 * CR : 0-0,8 * CU : 0-6 * LI : 0-5,5 * MG : 0-15 * MN : 0-2 * SI : 0-2 * TI : 0-1 * ZN : 0-10 * ZR : 0-0,3 * AL : 70-100 Component b [weight-%]: AUAL2 + BAAL4 + CEAL4 + PDAL3 + PTAL3 + SBAL + SE3AL2 + SRAL4 + TEAL3 + THAL3 + UAL4 : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
245	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1171628 B	04.06.1964
Priority	US68464257	18.09.1957
Application	DE1609195830307	

Applicant	ALUMINIUM COMPANY OF AMERICA	
Inventor	MILLIKEN, SPENCER	
Title	VERFAHREN ZUR VERHINDERUNG DER BLASENbildung UND VERFAERBUNG AN GEGENSTAENDEN AUS MAGNESIUMHALTIGEN ALUMINIUMLEGIERUNGEN	
Info	DIE GESAMTMENGE VON CR+TI+NI+B+BE+MO+ZR+TA+NB+CO SOLL ETWA 3% NICHT UEBERSCHREITEN. ANTEIL 1 IST EIN SCHUTZFILM. BEHANDLUNG DER OBERFLÄCHE MIT FLUOROBORATEN	
IPC	C22F00102	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 0,1-15 * CU : 0-12 + SI : 0-14 + ZN : 0-20 + MN : 0-3 * CR : 0-0,5 + TI : 0-0,5 + NI : 0-2,5 + B : 0-0,5 + BE : 0-2 + MO : 0-0,5 + ZR : 0-0,5 + TA : 0-0,5 + NB : 0-0,5 + CO : 0-0,5 * AL : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	SURFACE	OBERFLÄCHE
246	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	DE1148386 B	09.05.1963
Priority	GB14401	18.05.1955
Application	DT02121955B38122	
Applicant	THE BRITISH ALUMINIUM COMPANY LTD.	
Inventor	RANSLEY,CHARLES	
Title	VERWENDUNG VON BESTIMMTEN ALUMINIUM-MAGNESIUM-LEGIERUNGEN ZUR WARMVERFORMUNG	
Info		
IPC	40B00C22C01800000	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 1,8-11 * SI : 0-0,6 * FE : 0-0,7 * MN : 0-1 * CU : 0-0,1 * CR : 0-0,5 * ZN : 0-0,1 * AL : REST	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
247	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US2821014 C	28.01.1958
Priority	US229130	31.05.1951
Application	US31051951229130	
Applicant	ALUMINUM CO.OF AMERICA	

Inventor	MILLER,MIKE	
Title	COMPOSITE ALUMINOUS METAL ARTICLE	
Info		
IPC	49H00B23K035024LLM	
Composition nr.	3	Composite component -
Composition	[weight-%]: MG : 0,1-5 * SI : 0-0,8 * ZN : 0-6 * CU : 0-2 * MN : 0-1,5 * CR : 0-0,5 * Tl + B + ZR + NB + TA + V + MO + W : 0-0,5 * BE : 0-0,02 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	FINE-GRAINED	FEINKÖRNIG
	USE	VERWENDUNG
248	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US2821014 C	28.01.1958
Priority	US229130	31.05.1951
Application	US31051951229130	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	MILLER,MIKE	
Title	COMPOSITE ALUMINOUS METAL ARTICLE	
Info		
IPC	49H00B23K035024LLM	
Composition nr.	5	Composite component b
Composition	Composite material [%]: PLATTIERUNG : 0-100 * KERN : 0-100 Component a [weight-%]: BE : 0,005-0,1 + MN : 0,01-1,5 + CU : 0,05-0,25 * FE + SI : 0-0,8 * AL : REST Component b [weight-%]: MG : 0,1-5 * SI : 0-0,8 * ZN : 0-6 * CU : 0-2 * MN : 0-1,5 * CR : 0-0,5 * Tl + B + ZR + NB + TA + V + MO + W : 0-0,5 * BE : 0-0,02 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	FINE-GRAINED	FEINKÖRNIG
	USE	VERWENDUNG
249	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DD4278 C	04.12.1953
Priority	DD74810	17.04.1943
Application	DL17041943J74810	
Applicant	VEB ELEKTROCHEMISCHES KOMBINAT BITTERFELD	
Inventor	RENNER,KURT/SIEBEL,GUSTAV/VOSSKUEHLER,HUGO	
	ALUMINIUM-LEGIERUNGEN MIT GUTER SCHWEISSFESTIGKEIT FUER DURCH	

Title	KNETVERARBEITUNG HERGESTELLTE, UNTER SPANNUNG STEHENDE WERKSTUECKE	
Info		
IPC	40B00C22C02100200	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 2,5-7,5 * SI : 0,3-1,5 * MN : 0-1,2 * AL : REST	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	WELDABLE	SCHWEISSBAR
250	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE840920 C	04.10.1951
Priority	DE238	08.04.1942
Application	DT08041942A238	
Applicant	ALUMINIUMWERKE NUERNBERG GMBH	
Inventor	NITZSCHE,EUGEN	
Title	VERWENDUNG VON ALUMINIUM-LEGIERUNGEN FUER DURCH GLEITENDE REIBUNG BEANSPRUCHTE MASCHINENTEILE	
Info		
IPC	40B00C22C01900000	
Composition nr.	1	Composite component -
Composition	[weight-%]: MG : 3-10 * SI : 0,5-3 * CU + NI + CO + MN : 0,1-0,99 * TI : 0-0,3 * AL : REST	
Keywords	(english)	(german)
	BEARING	LAGER
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PISTON	KOLBEN
	SLIDEABLE	GLEITFÄHIG
	TENSILE-STRENGTH	ZUGFEST
251	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US2381714 A	07.08.1945
Priority	US43751042	03.04.1942
Application	US0304194243751042	
Applicant	Aluminum Company of America	
Inventor	Beck, Paul	
Title	Method of thermally treating aluminum base alloy ingots and product thereof	
Info		

IPC	C22F001/057	
Composition nr.	4	Composite component -
Composition	{weight-%]: MG : 0,5-4 * SI : 0,5-4 * MN + NI + CR : 0-2 * ZR + W + MO + V + Ti + U + FE + CO + BE + NB + TA : 0-2 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
252	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	FR877873 C	05.01.1943
Priority	FR	06.08.1941
Application	FR06081941	
Applicant	VEREINIGTE ALUMINIUM-WERKE AG	
Inventor		
Title	EMPLOI D'UN ALLIAGE D'ALUMINIUM POUR PIECES MOULEES TELLES QUE DES APPLIQUES ET OBJETS SIMILAIRES	
Info	MN*MG:<10*"ST"	
IPC	40B00C22C02100000	
Composition nr.	2	Composite component -
Composition	{weight-%]: MG : 1,5-9,5 * MN : 0,125-1,6 * AL : REST	
Keywords	(english)	(german)
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
253	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US2287251 C	23.06.1942
Priority	GB	07.07.1939
Application	US01071940343492	
Applicant	WILLIAM DAVID JONES	
Inventor		
Title	MANUFACTURE OF NONPOROUS METAL ARTICLES	
Info		
IPC	B22F00000AI	
Composition nr.	1	Composite component -

Composition	[weight-%]: MG : (0)-20 * MN : (0)-5 * SI : 0-5 * NA : 0-1 + CU : 0-5 + SELTERD : 0-1 + FE : 0-1 + TI : 0-5 + SB : 0-1 * ZN + NI + SN + CA + PB + CR + BA + BI + CD + IN + LI + K : 0-0,9999 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	METAL-POWDER	METALLPULVER
	PRESSED	GEPRÄST
	PRODUCTION	HERSTELLUNG
	SINTERED-PRODUCT	SINTERW
	TENSILE-STRENGTH	ZUGFEST
254	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	US2273483 C	17.02.1942
Priority	US348282	29.07.1940
Application	US29071940348282	
Applicant	ALUMINUM CO.OF AMERICA	
Inventor	FINK,WILLIAM/ENNOR,WILLIAM	
Title	WIRE SCREEN CLOTH	
Info		
IPC	40B00C22C02100200	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MANTEL * KERN Component a [weight-%]: ZN : 0,5-3 * MG : 0,5-2 * SI : 0,25-1,25 * CR : 0,1-0,5 + MN : 0,1-1 * AL : REST * FE : 0-0,25 * TI + MO + V + TA + ZR + B + NB : 0-0,5 Component b [weight-%]: MG : 4-6 * CR : 0-0,5 * MN : 0-1 * AL : REST * FE : 0-0,3 * TI + MO + V + TA + ZR + B + NB : 0-0,5	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	HARD	HART
	PLASTIC	PLASTISCH
	USE	VERWENDUNG
255	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	GB530996 C	27.12.1940
Priority	GB19861/39	07.07.1939
Application	GB0707193919861/39	
Applicant	Jones, William David	
Inventor		

Title	Improvements in or relating to the manufacture of metal articles or masses	
Info		
IPC	C22C001/04	
Composition nr.	8	Composite component -
Composition	[weight-%]: MG : (0)-20 + MN : (0)-5 + SB : (0)-1 + TI : (0)-5 + SI : (0)-5 + FE : (0)-1 + CE : (0)-1 + CU : (0)-5 + NA : (0)-1 * AL : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
256	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	GB455709 C	21.10.1936
Priority	GB8872	21.03.1935
Application	GB210319358872/35	
Applicant	I.G.FARBENINDUSTRIE AG/ALBERT MOND	
Inventor		
Title	IMPROVEMENTS IN OR RELATING TO ARTICLES MADE FROM ALUMINIUM ALLOYS	
Info	"ST"	
IPC	40B00C22C02100000	
Composition nr.	2	Composite component -
Composition	[weight-%]: MG : 0,1-10 * SI : 0,1-6 * MN + NI + CO + TI + CR : (0)-2,22 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
257	Deutsches Patent- und Markenamt DPMA	30.3.2009 (15:54h)
Publication	FR708178 C	21.07.1931
Priority	FR	20.12.1930
Application	FR20121930	
Applicant	THE BIRMINGHAM ALUMINIUM CASTING CO.LTD./PERCY PRITCHARD	
Inventor		
Title	NOUVEL ALLIAGE METALLIQUE LEGER	
Info		
IPC	40B00C22C02100000	
Composition nr.	1	Composite component -

Composition	[weight-%]: MN : 0,5-1 * MG : 1,5-6 * AL : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
258	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	CH139519 C	01.07.1930
Priority	DE	12.10.1928
Application	CH23051929	
Applicant	Aluminium-Industrie-AG	
Inventor		
Title	Verfahren zur Erhöhung der Dehnung, Biegefähigkeit und Walzbarkeit von Blechen, Bändern, Drähten usw. aus Aluminiumlegierungen	
Info		
IPC	C22F001/043	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : 1-4 * MG : 0,5-6 * SB : 0-1 * AL : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
259	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	US1472739 A	30.10.1923
Priority	US52369121	20.12.1921
Application	US2012192152369121	
Applicant	Aluminum Company of America	
Inventor	Archer, Robert; Jeffries, Zay	
Title	Aluminum-base alloy	
Info		
IPC	C22C021/02	
Composition nr.	1	Composite component -

Composition	[weight-%]: SI : 0,5-4 * MG : 0,5-4 * NI + MN + CR : 0-4,44 * AL : REST	
Keywords	(english)	(german)
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
260	<i>Deutsches Patent- und Markenamt DPMA</i>	30.3.2009 (15:54h)
Publication	DE4411059 A	05.01.1909
Priority	DE4411059	30.03.1994
Application	DE30031994P4411059.6	
Applicant	RINGSBORFF-WERKE GMBH	
Inventor	MUELLER, ROLAND	
Title	WERKSTOFF FUER KOLBEN FUER VERBRENNUNGSKRAFTMASCHINEN	
Info		
IPC	F02F00300	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: GRAPHIT : 100 Component b [weight-%]: CU + SB + SI + SN + PB + BI + ZN + CO + NI + CR + MN + AL + MG + CD : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	PISTON	KOLBEN
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	THERMAL	THERMISCH